SP-37 - Rev. 11/17/16 Prev. Rev. 4/28/14

Arlene Watson-Paulin Contract Specialist

860-713-5237

Telephone Number

STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES PROCUREMENT DIVISION 450 Columbus Boulevard, Hartford, CT 06103

CONTRACT AWARD NO.:
17PSX0210
Contract Award Date:
5 January 2018
Bid Due Date:
8 December 2017
SUPPLEMENT DATE:
11 April 2018

CONTRACT AWARD SUPPLEMENT #3

IMPORTANT: THIS IS NOT A PURCHASE ORDER. DO NOT PRODUCE OR SHIP WITHOUT AN AGENCY PURCHASE ORDER.

DESCRIPTION: Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service

FOR:		TERM OF CONTRACT:	
Department of Energy and Envi	ronmental Protection	January 1, 2018 throu	igh December 31, 2022
		AGENCY REQUISITION NUMBER: 00	00044748
Change to In State (Non-SB)	CHANGE TO DAS-CERTIFIED SMALL	CHANGE TO OUT OF STATE	CHANGE TO TOTAL CONTRACT
CONTRACT VALUE	BUSINESS CONTRACT VALUE	CONTRACT VALUE	Award Value
N/C	N/C	N/C	N/C

NOTICE TO CONTRACTORS: This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made. INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

NOTE: Dollar amounts listed next to each contractor are possible award amounts, however, they do not reflect any expected purchase amounts (actual or implied). They are for CHRO use only.

NOTICE TO AGENCIES: A complete explanatory report shall be furnished promptly to the Procurement Manager concerning items delivered and/or services rendered on orders placed against awards listed herein which are found not to comply with the specifications or which are otherwise unsatisfactory from the agency's viewpoint, as well as failure of the contractor to deliver within a reasonable period of time specified. Please issue orders and process invoices promptly.

<u>CASH DISCOUNTS</u>: Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

PRICE BASIS: Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: Wilbur Technical Services

Company Address: PO Box 397 – 97 South Main Street, Mount Vernon, NH 03057

Fax. No.: Tel. No.: 603-880-7100 Contract Value: N/C

Delivery: per contracted terms Contact Person: Erik Mallory

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: erikm@jjwilbur.com www.jjwilbur.com

Remittance Address: same as above

Certification Type (SBE,MBE or None): None Agrees to Supply Political SubDivisions: NO

Prompt Payment Terms: Net 45

PLEASE NOTE:

Supplement #3 issued to add additional items for Teledyne API under Wilbur Technical Services effective immediately.

SP-37 - Rev. 11/17/16 Prev. Rev. 4/28/14 CONTRACT AWARD NO.: 17PSX0210

Contract Supplement #3

All terms and conditions not otherwise affected by this supplement remain unchanged and in full force and effect.

DEPARTMENT	OF	ADMINISTRATIVE	SFRVICES

By:______(Original Signature on Document in Procurement Files)

Name: ARLENE WATSON-PAULIN

Title: Contract Specialist

Date:

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract #17PSX0210
Delivery: Please see below
Terms: Not 15 Days

Contractor Name: Wilbur Technical

Services, LLC

				Г
ITEM#	DESCRIPTION OF COMMODITY AND/OR SERVICES	<u> </u>		
1	Manufacturer: Teledyne API See attached price list for Teledyne API MODLES	Price List Dated: Oc Dec 2015,	rom atta / Catalog tober 20 June 20 / Catalog	g Number - All items in price list 015, October 2016, 016 g Pages On Which:
	Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site			Support #860-508-7714 p.m. (7 days a week - 365 days





9970 Carrolt Canyon Road, San Diego, CA 92131 Phone: 858-657-9800 Fax: 858-657-9816 Email: api-sales@teledyne.com

Remit to address: 12497 Collections Center Drive, Chicago, IL 60693

ITEM	P/N	ОТУ	Ī	DESCRIPTION	UNIT PRICE
	070710000	<u> </u>		MODEL T700U DYNAMIC DILUTION CALIBRATOR WITH 2 MFCs	\$21,400.00
				TWO YEAR STANDARD WARRANTY	N/C
				TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
				INCLUDES:	100
		[NumaView TM Software	
				DILUTION GAS MFC 0-10 SLPM STANDARD (OR 0-20 SLPM - SPECIFY)	
				· ——-	
				SOURCE GAS MFC 0 -200 CC/MIN STANDARD (OR 0-100 CC/MIN - SPECIFY)	
				UP TO 3 MASS FLOW CONTROLLERS AVAILABLE (PLEASE SEE BELOW)	
		1	ŀ	INTERNAL OZONE GENERATOR AND GPT MIXING CHAMBER	
		}		UV PHOTOMETER MODULE	·
				Product manuals on CD	
ITEM	P/N	QTY		DESCRIPTION	UNIT PRICE
				MODEL T700U DYNAMIC DILUTION CALIBRATOR WITH 3 MFCs	\$24,800.00
				AS ABOVE, BUT INCLUDES THE FOLLOWING 3 MFCs: 10 LPM, 200 CC/MIN and 20 CC/MIN	
				NEW! - TWO YEAR STANDARD WARRANTY	N/C
				TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
				CIPMED 41	
	014540300		7C	GENERAL Source MFC 0-100 cc/min (Replaces 0-200 cc/min)	N/C
	014560300		8B	Dilution MFC 0-20 LPM (Replaces 0-10 LPM)	N/C
	057620000		73	Dual Gas Output (NOy)	\$910.00
	037020000		13	MOUNTING	\$910.00
	031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.00
	031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.00
	031500000		21	Rack Mount, no Slides, Ears only	\$115.00
	050180000		29	Carrying Handle (Strap)	\$40.00
	05010000			COMMUNICATION	\$10,00
	WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.00
	WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20,00
	WR0000067		60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20.00
	WR0000257		60D	USB Com Port Cable	\$20.00
	067610000		62	RS232 Internal Multi-Drop	\$235.00
	067600100		64A	USB Com Port	\$140.00
	072210100		48C	External Valve Driver Capability - 12V Without Power Supply	\$545.00
	072210200		48D	External Valve Driver Capability - 24V Without Power Supply	\$545.00
	072210300		48E	External Valve Driver Capability - 12V With Power Supply	\$590.00
	072210400		48F	External Valve Driver Capability - 24V With Power Supply	\$590,00
				MISCELLANEOUS	
	072860000		70A	Product Manual, Paper Copy	\$110.00
	076220000		70B	Additional Product Manual on CD	\$30,00
			L	PHOTOMETER CERTIFICATIONS (1)	
	062840000		95C	Direct Inter-Comparison with an NIST Standard Reference Photometer (SRP)	\$2,855.00
			l	(6-8 weeks extended lead time)	
	075960000		95D	Certification as a Transfer Standard(6x6)	\$2,035.00
				Visit www.teledyne-api.com for detailed descriptions	
	Warranty1EXT		92A	1 Year Extended Warranty ⁽¹⁾	\$520.00
				Please Contact Factory for Additional Extended Warranty Fees (1)	Consult Factory
				(1) Item is NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
		1		at the time of instrument purchase.	

Printed Documents are Uncontrolled





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Remit to address: 12497 Collections Center Drive, Chicago, IL 60693

M P/N	QTY		DESCRIPTION	UNIT PRICE
070720000			MODEL T750 PORTABLE DILUTION CALIBRATOR	\$12,200.0
			INCLUDES:	
			NumaView TM Software	
			DILUTION GAS MFC 0-10 SLPM STANDARD (OR 0-5 SLPM OR 0-20 SLPM - SPECIFY)	
	ļ.		SOURCE GAS MFC 0 -100 CC/MIN STANDARD (OR 0-50 CC/MIN OR 0-200 CC/MIN - SPECIFY)	
			TRAYEL CHASSIS	
			UP TO 3 MASS FLOW CONTROLLERS AVAILABLE	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/
			GENERAL	
080640000		1A	Internal Ozone Generator and GPT Mixing Chamber	\$2,675.0
080650000	1	2A	Internal Ozone Generator, GPT Mixing Chamber and U.V. Photometer Module	\$6,050.0
014530300		7A	Source MFC 0-50 cc/min (Replaces 0-100 cc/min)	N/
016760300		7B	Source MFC 0-200 cc/min (Replaces 0-100 cc/min)	N/
014560300	1	88	Dilution Flowmeter 0-20 LPM (Replaces 0-10 LPM)	N/
021510300		8A	Dilution Flowmeter 0-5 LPM (Replaces 0-10 LPM)	N/
		9	Third Mass Flow Controller (Can only be used on source)	
080690100			Option, 3 MFC, 10 SCCM	\$3,490.
080690200			Option, 3 MFC, 20 SCCM	\$3,490.
080690300		1	Option, 3 MFC, 50 SCCM	\$3,490.
		1	COMMUNICATION	\$20.
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20. \$20.
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.
WR0000257		60D	USB Com Port Cable	\$235.
067610000 067600100		62 64A	RS232 Internal Multi-Drop USB Com Port	\$140.
007000100		10474	MISCELLANEOUS	
080700000		70A	Product Manual, Paper Copy	\$110.
076220000		70B	Additional Product Manual on CD	\$30.
070220000		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Additional Florage Maintail on CD	
			PHOTOMETER CERTIFICATIONS (1)	
062840000	1	95C	Direct Inter-Comparison with an NIST Standard Reference Photometer (SRP)	\$2,855.
			(6-8 weeks extended lead time)	
075960000		95D	Certification as a Transfer Standard(6x6)	\$2,035.
			Visit www.teledyne-api.com for detailed descriptions	
Warranty1EXT	٠	92A	1 Year Extended Warranty ⁽¹⁾	\$520.
			Please Contact Factory for Additional Extended Warranty Fees	Consult Factor
			(1) Item is NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	





EM P/N	QTY		DESCRIPTION	UNIT PRICE
070260000			MODEL T200P PHOTOLYTIC NO-NO₂ ANALYZER	\$14,250.0
			Ranges: 0-50 ppb to 0-4,000 ppb	
			Includes: NumaView™ Software, External Pump, Particulate Filter	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/C
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/0
			MOUNTING	\$285.0
031510000	1 1	20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.0 \$285.0
031520000	1		Rack Mount with Chassis Slides 24" = 610 mm	\$285.0 \$115.0
031500000		21	Rack Mount, no Slides, Ears only	\$285.0
009970000		23	Rack Mount for External Pump Pack (No Slides)	\$283.0 \$40.0
050180000		29	Carrying Handle (Strap)	\$40.0
	1		GENERAL (P. 1997)	\$220.0
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$450,0
047150000	1 5	42A	Annual Maintenance Kit for Analyzer	\$365.0
014030000	1 1	43	Annual Maintenance Kit for Internal Zero/Span	\$655.0
059940000	1 1	86A	Ammonia Removal Sample Conditioner	\$055.0
0.402.40000		50A	CALIBRATION And int 7-report Ambient Span	\$595.0
042340000		50B	Ambient Zero and Ambient Span Ambient Zero and Pressurized Span	\$880.0
052570000		50G	Zero Scrubber and Internal Span Source (IZS)	\$1,780.0
042310200		86C	Zero Air Scrubber for Z/S Valves	\$300.0
060580000		90C	NO, PERM TUBES:	\$500.0
015062200		50D		Consult Factor
015062200		52B	Perm Tube, NO ₂ , Certified, 421 ng/min @ 50°C,	Consuit racion
			.35 ppm @ .56 lpm. ±5% of indicated perm tube rate	0 1/2
015062600		52G	Perm Tube, NO ₂ , Certified, 842 ng/min @ 50°C,	Consult Factor
			.6 - 1.0 ppm @ .56 lpm. ±5% of indicated perm tube rate	
			COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.0
WR0000077	1 1	60B	RS232 Cable, DB-9F to DB-9F	\$20.0
WR0000067	1	60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20.0
WR0000257		60D	USB Com Port Cable	\$20.0
056060000		61	Concentration Alarm Relays	\$115.0
067610000		62	RS232 Internal Multi-Drop	\$235,0
067600100		64A	USB Com Port	\$140.0
067600000		64B	Analog Input and USB Com Port	\$460.0
			MISCELLANEOUS	6110
083730229	1 1	70A	Product Manual, Paper Copy	\$110.0
076220000		70B	Additional Product Manual on CD	\$30.0
W		02.4	I Van Evtandad Warrantu®	\$520.0
Warranty1EXT		92A	1 Year Extended Warranty®	Consult Facto
			Please Contact Factory for Additional Extended Warranty Fees	Consun racio
			(i) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	





M P/N	OTY		DESCRIPTION	UNIT PRICE
070280000			MODEL T200UP ULTRA-SENSITIVE PHOTOLYTIC NO-NO2 ANALYZER	\$19,950.0
			Ranges: 0-5 ppb to 0-2,000 ppb	
			Includes: External Pump, Particulate Filter	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/O
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/0
			SOFTWARE (Must be specified at time of purchase)	3.77
		99A	NumaView TM Software	N/C
			MOUNTING	
031510000	1	20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.0
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285,0
031500000		21	Rack Mount, no Slides, Ears only	\$115.0
009970000		23	Rack Mount for External Pump Pack (No Slides)	\$285.0
050180000	1	29	Carrying Handle (Strap)	\$40,0
			GENERAL	
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$220,0
047150000		42A	Annual Maintenance Kit for Analyzer	\$450.0
		[CALIBRATION	
042340100		50A	Ambient Zero and Ambient Span	\$595.0
ļ		1	COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20,0
WR0000077	j	60B	RS232 Cable, DB-9F to DB-9F	\$20.0
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.0
WR0000257		60D	USB Com Port Cable	\$20.0 \$235.0
067610000		62	RS232 Internal Multi-Drop	\$140.0
067600100		64A	USB Com Port	\$460.0
067600000		64B	Analog Input and USB Com Port	\$400,0
		.	MISCELLANEOUS	\$110.0
075250000		70A	Product Manual, Paper Copy Additional Manual on CD in PDF Format	\$30,6
076220000		70B	Additional Manual on CD in PDr Format	
Warranty1EXT	г	92A	1 Year Extended Warranty®	\$520,0
			Please Contact Factory for Additional Extended Warranty Fees	Consult Facto
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED at the time of instrument purchase.	





M P/N	QTY		DESCRIPTION	UNIT PRICE
071720000	-		MODEL T750U PORTABLE DYNAMIC DILUTION CALIBRATOR	\$21,400.00
	Į		INCLUDES:	
	Į		NumaView TM Software	
	-		DILUTION GAS MFC 0-10 SLPM STANDARD (OR 0-20 SLPM - SPECIFY)	
	1		SOURCE GAS MFC 0-200 CC/MIN STANDARD (OR 0-100 CC/MIN - SPECIFY)	l
			INTERNAL OZONE GENERATOR AND GPT MIXING CHAMBER	
			UV PHOTOMETER MODULE	
	ļ		UP TO 3 MASS FLOW CONTROLLERS AVAILABLE (PLEASE SEE BELOW)	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/O
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/G
			GENERAL A 200 A 4 is 40 a 200 a 4 is in	N/0
014540300		7C .	Source MFC 0-100 cc/min (Replaces 0-200 cc/min)	N/O
014560300	1	8B	Dilution MFC 0-20 LPM (Replaces 0-10 LPM)	1976
		9	Third Mass Flow Controller (3rd MFC Option, Must Select One Below)	\$2,400.0
080690100			Option, 3 MFC, 10 SCCM	\$3,490.0
080690200			Option, 3 MFC, 20 SCCM	\$3,490.0
080690300			Option, 3 MFC, 50 SCCM	\$3,490.0
			COMMUNICATION	620.0
WR0000024	1 1	60A	RS232 Cable, DB-9F to DB-25M	\$20.0 \$20.0
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20.0
WR0000067	1 I	60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20,0
WR0000257	1 1	60D	USB Com Port Cable	\$235.0
067610000		62	RS232 Internal Multi-Drop	\$140.6
067600200		64A	USB Com Port	\$140.0
404040000		٠, ١	MISCELLANEOUS	\$110.0
081960000		70A	Product Manual, Paper Copy	\$30.0
076220000		70B	Additional Product Manual on CD	Ψ50.0
			PHOTOMETER CERTIFICATIONS (1)	
062840000		95C	Direct Inter-Comparison with an NIST Standard Reference Photometer (SRP)	\$2,855,0
			(6-8 weeks extended lead time)	
075960000		95D	Certification as a Transfer Standard(6x6)	\$2,035.0
			Visit www.teledyne-api.com for detailed descriptions	
Warranty1EXT		92A	1 Year Extended Warranty ⁽ⁱ⁾	\$520.0
			Please Contact Factory for Additional Extended Warranty Fees (1)	Consult Facto
			(1) Item is NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	





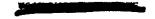
M P/N	QTY	ļ	DESCRIPTION		UNIT PRICE
071740000			MODEL T753U PORTABLE TRACE OZONE CALIBRATOR (UII	tra-low	\$15,900.00
		1	ozone capability, down to 2 ppb)		
			Photometer Ranges: 0-10PPM		
			Includes:		
		1	NumaView TM Software		
			Product manuals on CD		
		1	TWO YEAR STANDARD WARRANTY		N/C
			TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
			INTERNAL ZERO AIR OPTION		
085800000	1	6	Internal Zero Air System With Zero Air Pump, Inlet Switching Valves, and Desiccant Dryer Canister		\$1,750.0
00.000000		ľ	GENERAL		
086100000	-	42A	Annual Maintenance Kit		\$290,00
043910100		'	Additional Silica Gel Dryer Media (2 jugs)		\$263,00
085740000	1		Spare Dryer Canister		\$509.0
1000, 10000			COMMUNICATION		
WR0000024		60A	RS232 Cable, DB-9F to DB-25M		\$20,0
WR0000077		60B	RS232 Cable, DB-9F to DB-9F		\$20.0
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors		\$20.0
WR0000257		60D	USB Com Port Cable		\$20.0
067610000		62	RS232 Internal Multi-Drop		\$235.0
067600200		64A	USB Com Port		\$140.0
			MISCELLANEOUS		
085930000		70A	Product Manual, Paper Copy		\$110.0
076220000		70B	Additional Product Manual on CD		\$30.0
			PHOTOMETER CERTIFICATIONS (1)		00.055.0
062840000		95C	Direct Inter-Comparison with an NIST Standard Reference Photometer (SRP)		\$2,855.0
			(6-8 weeks extended lead time)		62.026.0
075960000		95D	Certification as a Transfer Standard(6x6)		\$2,035.0
			Visit www.teledyne-api.com for detailed descriptions		1
Warranty1EX	r I	92A	1 Year Extended Warranty ⁽¹⁾		\$520,0
, , , , , ,			Please Contact Factory for Additional Extended Warranty Fees		Consult Factor
			(1) Item is NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED at the time of instrument purchase.		





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EM P/N	OTY		DESCRIPTION	UNIT PRICE
1 070550000			MODEL T500U CAPS NO ₂ ANALYZER	\$17,850.00
			Ranges: 0-5 ppb to 0-1,000 ppb	
			Includes: Numa ViewTM Software, Internal Pump, Particulate Filter, Sample Conditioner	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/C
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
			MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.00
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285,00
031500000		21	Rack Mount, no Slides, Ears only	\$115.00
050180000		29	Carrying Handle (Strap)	\$40.00
		Į.	GENERAL	
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, two available)	\$220.00
081910000		42A	Annual Maintenance Kit for Analyzer	\$375.0
			CALIBRATION	
042340000		50A	Ambient Zero and Ambient Span	\$595.0
081650000		50G	Zero Scrubber and Internal Span Source (IZS)	\$1,780.00
			COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.00
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20,0
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.0
WR0000257		60D	USB Com Port Cable	\$20.0
067610000		62	RS232 Internal Multi-Drop	\$235.0
067600100		64A	USB Com Port	\$140.0
067600000		64B	Analog Input and USB Com Port	\$460,0
		1	MISCELLANEOUS	
078340000		70A	Product Manual, Paper Copy	\$110.0
076220000		70B	Additional Product Manual on CD	\$30.0
Warranty1EXT		92A	1 Year Extended Warranty ⁽¹⁾	\$520.0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Please Contact Factory for Additional Extended Warranty Fees	Consult Factor
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	
			at the time of instrument purchase.	





M P/N	QTY		DESCRIPTION	UNIT PRICE
070600000			MODEL T640 PM MASS MONITOR	\$21,000.0
İ			High resolution particle sensor with broadband LED source	
		ļ	Microprocessor control with 4GB internal data storage and NumaView TM software	
			T Series, lightweight 19" rack mountable chassis with Ethernet communications	
			Simultaneous, 1-min PM10 and PM2.5 mass concentration measurements	
			INCLUDED COMPONENTS PER ANALYZER	
	1		Internal sample pump (for 5 LPM sample flow) with in-line DFU filter	N/
	1		Internal sample flow controller with ambient temp/pres compensation	N/
	1		Aerosol Sample Conditioner (ASC)	N/
	1		Ambient Temperature Probe with 15 ft cable and solar shield	N/
	1	1	Operating Manual on CD	N/
,			TWO YEAR STANDARD WARRANTY	
			FLOW AND SAMPLE HEAD OPTIONS	
083760000		Į	Sample Head (for 5 LPM flow) with Inner Sample Tube	\$1,100.0
083770000		640X	Auxiliary Flow System with the US EPA, 16.7LPM, PM10, 640X Inner Sample Tube,	\$14,000.0
		1	640X Bypass Flow Coupler, and External Pump	
	1		ACCESSORIES	
084910000		Į.	Leak Check, Flow Audit Adaptor Kit	\$185.0
			INSTALLATION HARDWARE	
083780000			Sample Tube Extension Kit, 8 Foot, ea. with Coupling and Roof Flange	\$673.0
083790000			Sample Tube Extension Kit, 8 Foot, ea. with Coupling and Roof Flange (for the 640X option)	\$902.0
084710000			Support Tripod - Supports Sample Tube Extension Kit	\$289.0
			MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.0
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.0
031500000		21	Rack Mount, no Slides, Ears only	\$115.0
			COMMUNICATION	
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.0
			CONSUMABLES	
FL0000003			In-line DFU Filter, (2-4 per year)	\$35.0
2000000	ŀ		MISCELLANEOUS	
083540000		70A	Product Manual, Paper Copy	\$110.0
076220000		70B	Additional Product Manuals on CD	\$30.0
0/0220000		705	Additional Flouder Mandais on CD	
			ENCLOSURE ⁽¹⁾	d - 750
084530000			Fan-ventilated, weatherproof outdoor enclosure for the T640 (1)	\$6,500.0
			(1) Item is NET PRICE, NOT DISCOUNTABLE	



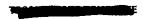


ITEM		OTY	Cemer D.	rive, Chicago, IL 60693 DESCRIPTION		UNIT PRICE
	070100000	V	 	MODEL T100 UV FLUORESCENCE SO ₂ ANALYZER		\$11,850.00
	01020000			Ranges: 0-50 ppb to 0-20 ppm		
				Includes: NumaView TM Software, Internal Pump, Particulate Filter		
ļ.				Product manuals on CD		
				,		N/C
				TWO YEAR STANDARD WARRANTY		N/C
				TAPI Customer Service support by phone, fax, or email for the life of the instrument		IN/C
				 MOUNTING		
	031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm		\$285.00
	031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm		\$285,00
	031500000		21	Rack Mount, no Slides, Ears only		\$115.00
1	009970000		23	Rack Mount for External Pump Pack (No Slides)		\$285,00
1	050180000		29	Carrying Handle (Strap)		\$40.00
	05010000		1	GENERAL		
	056090000		41	Isolated 0-20 or 4-20 mA current output (Price per output, three available)		\$220.00
[043570000		42A	Annual Maintenance Kit for Analyzer		\$365.00
	014750000		43	Annual Maintenance Kit for Internal Zero/Span		\$250.00
	012720100		47B	NO optical filter recommended for high NO _x backgrounds (Required for EN Certification)		\$175.00
1	044530100		65A	Paramagnetic O ₂ Sensor 0-100% Range		\$5,310.00
			1			\$5,310.00
	064270000		67A	CO ₂ Sensor 0-20% Range		\$3,310.00
			l	CALIBRATION		\$705.00
	046670000		50A	Ambient Zero and Ambient Span		\$1,175.00
	069480000		50E	Zero Scrubber and Pressurized Span		\$1,575.00
	046340000		50G	Zero Scrubber and Internal Span Source (IZS)		\$1,575.00
			1	SO, PERM TUBES:		
	015060400		52C	Perm Tube, SO ₂ , Certified, 796 ng/min @ 50°C,		Consult Factory
ļ				.35 ppm @ .76 lpm. ± 5% of indicated perm tube rate		
	015060800		52H	Perm Tube, SO ₂ , Certified, 1592 ng/min @ 50°C,		Consult Factory
			[.8 PPM @ .76 lpm. ± 5% of indicated perm tube rate		
	015061400		52M	Perm Tube, SO ₂ , Uncertified, 220 ng/min @ 50°C,		Consult Factory
				.0812 ppm @ .56 ipm (Nominal) \pm 25% of indicated perm tube rate		
ŀ		1		COMMUNICATION		
	WR0000024	1	60A	RS232 Cable, DB-9F to DB-25M		\$20,00
	WR0000077		60B	RS232 Cable, DB-9F to DB-9F		\$20.00
	WR0000067		60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors		\$20,00
	WR0000257		60D	USB Com Port Cable		\$20,00
	056060000	1	61	Concentration Alarm Relays		\$115,00
	067610000		62	RS232 Internal Multi-Drop		\$235,00
	067600100		64A	USB Com Port		\$140.00
İ	067600000		64B	Analog Input and USB Com Port		\$460,00
				MISCELLANEOUS		
	068070000		70A	Product Manual, Paper Copy		\$110.00
	076220000		70B	Additional Product Manual on CD		\$30.00
	Warranty1EXT		92A	1 Year Extended Warranty®	F	\$520.00
1	Warrantylexi		327	· ·		Consult Factory
				Please Contact Factory for Additional Extended Warranty Fees		Constant ractory
				(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED		
				at the time of instrument purchase.		_1
Į					NET TOTA	.L





ΓΕΜ P/N	OTY		DESCRIPTION	UNIT PRICE
1 070210000			MODEL T200U ULTRA-SENSITIVE CHEMILUMINESCENCE NO/NO2/NOX ANALYZER	\$18,750.00
			Ranges: 0-5 ppb to 0-2,000 ppb	
			Includes: NumaViewTM Software, External Pump, Particulate Filter	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/C
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
			MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.00
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.00
031500000		21	Rack Mount, no Slides, Ears only	\$115,00
009970000		23	Rack Mount for External Pump Pack (No Slides)	\$285,00
050180000		29	Carrying Handle (Strap)	\$40.00
			GENERAL	
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$220.00
047150000		42A	Annual Maintenance Kit for Analyzer	\$450.00
	Į		CALIBRATION	1
042340100		50A	Ambient Zero and Ambient Span	\$595.00
			COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.00
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20.00
WR0000067		60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20.00
WR0000257		60D	USB Com Port Cable	\$20.00
067610000		62	RS232 Internal Multi-Drop	\$235,00
067600100		64A	USB Com Port	\$140.00
067600000	1	64B	Analog Input and USB Com Port	\$460.00
			MISCELLANEOUS	
072820000		70A	Product Manual, Paper Copy	\$110,00
076220000		70B	Additional Product Manual on CD	\$30,00
Warranty1EXT		92A	1 Year Extended Warranty ^(t)	\$520.00
			Please Contact Factory for Additional Extended Warranty Fees	Consult Factory
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	





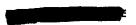
P/N	OTY		DESCRIPTION	UNIT PRICE
070310000	 		MODEL T300U ULTRA-SENSITIVE GAS FILTER CORRELATION CO ANALYZER	\$14,700.0
		Į.	Ranges: 0-100 ppb to 0-100 ppm	
			Includes: NumaView™ Software, Internal Pump, Inlet Drier, Internal Zero Source, and Particulate Filter	
			Product manuals on CD	
		1	TWO YEAR STANDARD WARRANTY	N
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N
	1		11AP1 Customer Service support by prione, fax, or email for the tife of the tisti unterli	1
			MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285,
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.
031500000		21	Rack Mount, no Slides, Ears only	\$115.
009970000		23	Rack Mount for External Pump Pack (No Slides)	\$285
050180000		29	Carrying Handle (Straps)	\$40
			GENERAL	
060070000		[CEMS Configuration	-\$600
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$220
009600400		42A	Annual Maintenance Kit for Analyzer	\$345
			CALIBRATION	
036090100		50A	Ambient Zero and Ambient Span	\$595
			COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20
WR0000067		60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20
WR0000257		60D	USB Com Port Cable	\$20
056060000		61	Concentration Alarm Relays	\$115
067610000		62	RS232 Internal Multi-Drop	\$235
067600100		64A	USB Com Port	\$140
067600000		64B	Analog Input and USB Com Port	\$460
			MISCELLANEOUS	
072840000	-	70A	Product Manual, Paper Copy	\$110
076220000		70B	Additional Product Manual on CD	\$30
	,	92A	1 Year Extended Warranty ^{d)}	\$520
Warrantyl EXT	·	92A .		Consult Fac
			Please Contact Factory for Additional Extended Warranty Fees	Constitution
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
1	1	1	at the time of instrument purchase.	



9970 Carroll Canyon Road, San Diego, CA 92131 Phone: 858-657-9800 Fax: 858-657-9816 Email: api-sales@teledyne.com

Remit to address: 12497 Collections Center Drive, Chicago, IL 60693

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ITEM		OTY	Center D	rive, Chicago, IL 60693 DESCRIPTION		UNIT PRICE
1	070130000	VII	ļ	MODEL TION MODEL		\$15,800.00
1	070130000			The state of the s		\$13,000,00
			1	Ranges: 0-50 ppb to 0-10 ppm		
				Includes:Internal Pump, Particulate Filter		
				* BASIC UNIT IS FACTORY SET TO MEASURE H2S ONLY		
				* H ₂ S CONVERTER & SO _X SCRUBBER		
				Product manuals on CD		
			1	TWO YEAR STANDARD WARRANTY		N/C
				TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
				SOFTWARE (Must be specified at time of purchase)		
			99A	NumaView™ Software		N/C
				MOUNTING		
	031510000	1	20A	Rack Mount with Chassis Slides 26" = 660 mm		\$285.00
	031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm		\$285.00
	031500000		21	Rack Mount, no Slides, Ears only		\$115.00
	009970000		23	Rack Mount for External Pump Pack (No Slides)		\$285,00
	050180000		29	Carrying Handle (Strap) GENERAL		\$40.00
	056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)		\$220.00
	043570000		42A	Annual Maintenance Kit for Analyzer		\$365.00
	014750000		43	Annual Maintenance for Internal Zero/Span		\$250.00
	012720100		47B	NO Optical Filter (Recommended for High NOx backgrounds)		\$175.00
	012120100		1	CALIBRATION		
	046670000		50A	Ambient Zero and Ambient Span		\$705.00
	046340000		50G	Zero Scrubber and Internal Span Source (IZS)		\$1,575.00
	0.100.100.00		"	H ₂ S PERM TUBES:		
	015064500		52A	Perm Tube, H ₂ S, Uncertified, 106 ng/min @ 50°C,		Consult Factor
	015004500		13271	$.0812$ ppm @ .76 lpm (Nominal) $\pm 25\%$ of indicated perm tube rate		1
	015000400		52E	Perm Tube, H ₂ S, Certified, 76 ng/min @ 50°C,		Consult Factor
	015066400		J3ZE	1 " " "		Consult 1 uotor,
				.0406 ppm @ .76 lpm. ±5% of indicated perm tube rate		
			1	COMMUNICATION		\$20.00
	WR0000024		60A	RS232 Cable, DB-9F to DB-25M		\$20.00
	WR0000077		60B	RS232 Cable, DB-9F to DB-9F		\$20.00
	WR0000067		60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors		\$20,00
	WR0000257		60D	USB Com Port Cable		\$115,0
	056060000		61	Concentration Alarm Relays		\$115,00
	067610000		62	RS232 Internal Multi-Drop		\$140.0
	067600100	1	64A	USB Com Port		1
	067600000		64B	Analog Input and USB Com Port		\$460.0
		1		MISCELLANEOUS		\$110,0
	072660000		70A	Product Manual, Paper Copy		i
	076220000		70B	Additional Product Manual on CD		\$30,0
	Warranty1EXT		92A	1 Year Extended Warranty ⁽ⁱ⁾		\$520.0
				Please Contact Factory for Additional Extended Warranty Fees		Consult Factor
		1		(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED		
	1			at the time of instrument purchase.		
ĺ			1		NET TOTAL	<u>, </u>



P/N	ОТУ		DESCRIPTION	UNIT PRICE
070270000			MODEL T200U ULTRA-SENSITIVE CHEMILUMINESCENCE NO/NOy ANALYZER	\$25,400.0
			Ranges: 0-5 ppb to 0-2,000 ppb	
			Includes: External Pump, Flow Control Module, Umbilical, External NOy Converter,	
			and Particulate Filters	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/O
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/
			17871 Customer service support by prione, jus, or email for the tige of the histoinness	- 1
			SOFTWARE (Must be specified at time of purchase)	,
		99A	NumaView TM Software	N/
1	1.	l	MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.0
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.0
031500000		21	Rack Mount, no Slides, Ears only	\$115.0
009970000		23	Rack Mount for External Pump Pack (No Slides)	\$285.0
050180000		29	Carrying Handle (Strap)	\$40.0
			GENERAL	1
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$220,0
047150000	į.	42A	Annual Maintenance Kit for Analyzer	\$450.0
061310000		86A	Ammonia Removal Sample Conditioner	\$835.0
		1	COMMUNICATION	ļ
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20,0
WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20.0
WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.6
WR0000257		60D	USB Com Port Cable	\$20,
067610000		62	RS232 Internal Multi-Drop	\$235.
067600100		64A	USB Com Port	\$140.
067600000		64B	Analog Input and USB Com Port	\$460.
		l	MISCELLANEOUS	1
072880000		70A	Product Manual, Paper Copy	\$110.0
076220000		70B	Additional Product Manual on CD	\$30.
Warranty1EX	r	92A	! Year Extended Warranty**	\$520.0
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1			Please Contact Factory for Additional Extended Warranty Fees	Consult Facto
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED at the time of instrument purchase.	



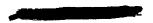
1 P/N	QTY		DESCRIPTION	UNIT PRICE
070400000	1		MODEL T400 UV ABSORPTION O3 ANALYZER	\$8,950.0
			Ranges: 0-100 ppb to 0-10 ppm	
			Includes: NumaView TM Software, Internal Pump, Particulate Filter	
			Product manuals on CD	
			TWO YEAR STANDARD WARRANTY	N/0
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
			1 API Customer Service support by prione, jux, or email joi the tije of the tish umem	137
			MOUNTING	
031510000		20A	Rack Mount with Chassis Slides 26° = 660 mm	\$285.0
031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.0
031500000		21	Rack Mount , no Slides, Ears only	\$115.0
009970000	1 1	23	Rack Mount for External Pump Pack (No Slides)	\$285.0
050180000		29	Carrying Handle (Strap)	\$40.0
	1.		GENERAL	
056090000		41	Isolated 0-20 or 4-20 mA output (Price per output, two available)	\$220.0
006190200		42A	Annual Maintenance Kit for Analyzer	\$360.0
044730000		43	Annual Maintenance for Internal Zero/Span	\$130.0
			CALIBRATION	
041950000	1 1	50A	Ambient Zero and Ambient Span	\$705.
048430000	1 1	50F	Zero Scrubber and No Span (IZ) (CY5)	\$525.
058190000		50G	Zero Scrubber and Internal Span Source (IZS)	\$2,170.
043840100		56	Desiccant Dryer for IZS	\$175.
0.00.000		-	COMMUNICATION	
WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.
WR0000077	1 1	60B	RS232 Cable, DB-9F to DB-9F	\$20.
WR0000067	1 1	60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20.
WR0000257	1 1	60D	USB Com Port Cable	\$20.
056060000		61	Concentration Alarm Relays	\$115.
067610000		62	RS232 Internal Multi-Drop	\$235.
067600100		64A	USB Com Port	\$140
067600000		64B	Analog Input and USB Com Port	\$460.
00700000		040	MISCELLANEOUS	
068700000		70A	Product Manual, Paper Copy	\$110.
076220000		70B	Additional Product Manual on CD	\$30.
070220000		100	Authoriti I todaci Manaili on CD	
	ĺ		PHOTOMETER CERTIFICATIONS	
062840000		95C	Direct Inter-Comparison with an NIST Standard Reference Photometer (SRP)	\$2,855
			(6-8 weeks extended lead time)	
075960000		95D	Certification as a Transfer Standard(6x6)	\$2,035.
			Visit www.teledyne-api.com for detailed descriptions	
Warranty1EX1	г	92A	1 Year Extended Warranty®	\$520.
			Please Contact Factory for Additional Extended Warranty Fees	Consult Factor
			(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
		1	11.4	1



9970 Carroll Canyon Road, San Diego, CA 92131 Phone: 858-657-9800 Fax: 858-657-9816 Email: api-sales@teledyne.com

Remit to address: 12497 Collections Center Drive, Chicago, IL 60693

EM P/N	QTY		DESCRIPTION	UNIT PRICE
07020000			MODEL T200 CHEMILUMINESCENCE NO/NO2/NOX ANALYZER	\$12,900.0
			Ranges: 0-50 ppb to 0-20 ppm	
			Includes: Numa View TM Software, External Pump, Particulate Filter	
		1	Product manuals on CD	
1			TWO YEAR STANDARD WARRANTY	N/
			TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/
			11AF1 Customer Service support by phone, jax, or email for the tife of the insulanion	1
			MOUNTING	\$285,0
03151000	l l	20A	Rack Mount with Chassis Slides 26" = 660 mm	\$285.0
03152000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$115.0
03150000	1	21	Rack Mount, no Slides, Ears only	\$285.0
00997000		23	Rack Mount for External Pump Pack (No Slides)	\$40.
05018000	0	29	Carrying Handle (Strap)	ψ·•Ο.
0540000		1.,	GENERAL Ledeted 0. 20 or 4. 20 or A contract (Price per output three available)	\$220.0
05609000	i i	41 42A	Isolated 0-20 or 4-20 mA output (Price per output, three available) Annual Maintenance Kit for Analyzer	\$450.0
04715000		42A 43	Annual Maintenance for Internal Zero/Span	\$365,
01403000		1		\$5,310.
04453000		65A	Paramagnetic O ₂ Sensor 0-100% Range	\$655.
05994000	10	86A	Ammonia Removal Sample Conditioner (Required for EN Certification) CALIBRATION	3033.
04234000	no 1	50A	Ambient Zero and Ambient Span	\$595.
05257000		50B	Ambient Zero and Pressurized Span	\$880.
04231020		50G	Zero Scrubber and Internal Span Source (IZS)	\$1,780.
06058000	i i	86C	Zero Air Scrubber for Z/S Valves	\$300.
			NO ₂ PERM TUBES:	
01506220	10	52B	Perm Tube, NO ₂ , Certified, 421 ng/min @ 50°C,	Consult Facto
			:35 ppm @ .56 lpm. ±5% of indicated perm tube rate	
01506260	10	52G	Perm Tube, NO ₂ , Certified, 842 ng/min @ 50°C,	Consult Facto
			.6 - 1.0 ppm @ .56 lpm. ±5% of indicated perm tube rate	
1			COMMUNICATION	İ
WR0000	n24	60A	RS232 Cable, DB-9F to DB-25M	\$20.
WR0000		60B	RS232 Cable, DB-9F to DB-9F	\$20
WR0000	- 1	60C	Ethernet Cable, 7 (2m) with RJ 45 Connectors	\$20
WR0000		60D	USB Com Port Cable	\$20
05606000		61	Concentration Alarm Relays	\$115
06761000	i i	62	RS232 Internal Multi-Drop	\$235
06760010		64A	USB Com Port	\$140
06760000		64B	Analog Input and USB Com Port	\$460
			MISCELLANEOUS	
06858000	00	70A	Product Manual, Paper Copy	\$110
07622000	00	70B	Additional Product Manual on CD	\$30.
Warrant	y1EXT	92A	1 Year Extended Warranty ⁽¹⁾	\$520.
			Please Contact Factory for Additional Extended Warranty Fees	Consult Fact
	1		(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
			at the time of instrument purchase.	





9970 Carroll Canyon Road, San Diego, CA 92131 Phone: 858-657-9800 Fax: 858-657-9816 Email: api-sales@teledyne.com

ITEM	P/N	QTY		DESCRIPTION	UNIT PRICE
1	070300000			MODEL T300 GAS FILTER CORRELATION CO ANALYZER	\$12,000.00
			1	Ranges: 0-1 ppm to 0-1,000 ppm	
				Includes: NumaView™ Software, Internal Pump, Particulate Filter	
				Product manuals on CD	
				TWO YEAR STANDARD WARRANTY	N/C
				TAPI Customer Service support by phone, fax, or email for the life of the instrument	N/C
				The community of the control of the	
				MOUNTING	
	031510000		20A	Rack Mount Chassis Slides 26" = 660 mm	\$285.00
	031520000		20B	Rack Mount with Chassis Slides 24" = 610 mm	\$285.00
	031500000		21	Rack Mount, no Slides, Ears only	\$115.00
	009970000		23	Rack Mount for External Pump Pack (No Slides)	\$285.00
	050180000		29	Carrying Handle (Strap)	\$40.00
				GENERAL	
	056090000	1	41	Isolated 0-20 or 4-20 mA output (Price per output, three available)	\$220.00
	009600400		42A	Annual Maintenance Kit for Analyzer	\$345.00
	049200000		65A	Paramagnetic O ₂ Sensor 0-100% Range	\$5,310.00
	049480000		67A	CO ₂ Sensor 0-20% Range	\$5,310.00
				CALIBRATION	
	036090000		50A	Ambient Zero and Ambient Span	\$595,00
	036080000		50B	Ambient Zero and Pressurized Span	\$720.00
	036070000		50E	Zero Scrubber and Pressurized Span	\$845.00
	036100000		50H	Zero Scrubber and Ambient Span	\$750.00
				COMMUNICATION	
	WR0000024		60A	RS232 Cable, DB-9F to DB-25M	\$20.00
	WR0000077		60B	RS232 Cable, DB-9F to DB-9F	\$20.0
	WR0000067		60C	Ethernet Cable, 7 '(2m) with RJ 45 Connectors	\$20.0
	WR0000257	1	60D	USB Com Port Cable	\$20.0
	056060000		61	Concentration Alarm Relays	\$115.0
	067610000		62	RS232 Internal Multi-Drop	\$235.0
Į.	067600100		64A	USB Com Port	\$140.0
	067600000		64B	Analog Input and USB Com Port	\$460.0
				MISCELLANEOUS	
	068640000		70A	Product Manual, Paper Copy	\$110,0
	076220000		70B	Additional Product Manual on CD	\$30.0
	Warranty1EXT		92A	1 Year Extended Warranty ⁽¹⁾	\$520,0
				Please Contact Factory for Additional Extended Warranty Fees	Consult Factor
				(1) Extended Warranties are NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
1		1	1	at the time of instrument purchase.	



P/N	QTY	DESCRIPTION	UNIT PRICE
070700000		MODEL T700 DYNAMIC DILUTION CALIBRATOR	\$11,900.
		INCLUDES:	
		NumaView TM Software	
		DILUTION GAS MFC 0-10 SLPM STANDARD (OR 0-5 SLPM OR 0-20 SLPM - SPECIFY)	
		SOURCE GAS MFC 0-100 CC/MIN STANDARD (OR 0-50 CC/MIN OR 0-200 CC/MIN - SPECIFY)	
		UP TO 3 MASS FLOW CONTROLLERS AVAILABLE	
		Product manuals on CD	N
		TWO YEAR STANDARD WARRANTY	N
		TAPI Customer Service support by phone, fax, or email for the life of the instrument	IN IN
		GENERAL	
083380100	1.4		\$2,595
083390100	2.4	Internal Ozone Generator, GPT Mixing Chamber and U.V. Photometer Module	\$5,870.
061340000	5	Perm Tube Oven	\$885
014530300	7/	Source MFC 0-50 cc/min (Replaces 0-100 cc/min)	N
016760300	7E	Source MFC 0-200 cc/min (Replaces 0-100 cc/min)	N
014560300	81	Dilution Flowmeter 0-20 LPM (Replaces 0-10 LPM)	N
021510300	8.4		N
	9	Third Mass Flow Controller (Can only be used on source)	Consult Factor
057620000	73	Dual Gas Output (NOy)	\$910
00.10		MOUNTING	
031510000	20		\$285
031520000	20	.	\$285
031500000	21	Rack Mount, no Slides, Ears only	\$115
050180000	29	Carrying Handle (Strap)	\$40
55010000		COMMUNICATION	
WR0000024	60		\$20
WR0000077	60	'	\$20
WR0000067	60		\$20
WR0000257	60		\$20
067610000	62		\$235
067600100	64	1	\$140
072210100	48		\$545
072210200	48	* *	\$545
072210300	48		\$590
072210400	48		\$590
072210400		MISCELLANEOUS	1
068730000	70		\$110
076220000	70		\$30
		PHOTOMETER CERTIFICATIONS (I)	
0.000,0000			\$2,855
062840000	9:		\$2,63.
0880 (0000		(6-8 weeks extended lead time)	\$2,035
075960000	9:	D Certification as a Transfer Standard(6x6) Visit www.teledyne-api.com for detailed descriptions	\$2,03.
TS7			\$520
WarrantylEXT	92	A 11 Year Extended Warranty ⁽¹⁾ Please Contact Factory for Additional Extended Warranty Fees	5320 Consult Fac
		(1) Item is NET PRICE, NOT DISCOUNTABLE and MUST BE ORDERED	
1	1 1	at the time of instrument purchase.	1

SP-37 - Rev. 11/17/16 Prev. Rev. 4/28/14

Arlene Watson-Paulin Contract Specialist

860-713-5237

Telephone Number

STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES PROCUREMENT DIVISION 450 Columbus Boulevard, Hartford, CT 06103

CONTRACT AWARD NO.: 17PSX0210 Contract Award Date: 5 January 2018 **Bid Due Date:** 8 December 2017 SUPPLEMENT DATE: 15 March 2018

CONTRACT AWARD SUPPLEMENT #2

IMPORTANT: THIS IS NOT A PURCHASE ORDER. DO NOT PRODUCE OR SHIP WITHOUT AN AGENCY PURCHASE ORDER.

DESCRIPTION: Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service

FOR:		TERM OF CONTRACT:			
Department of Energy and Envi	ronmental Protection	January 1, 2018 through December 31, 2022			
		AGENCY REQUISITION NUMBER: 00	MBER: 0000044748		
CHANGE TO IN STATE (NON-SB)	CHANGE TO DAS-CERTIFIED SMALL	Change to Out of State	CHANGE TO TOTAL CONTRACT		
CONTRACT VALUE	BUSINESS CONTRACT VALUE	CONTRACT VALUE	Award Value		
N/C	N/C	N/C	N/C		

NOTICE TO CONTRACTORS: This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made. INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

NOTE: Dollar amounts listed next to each contractor are possible award amounts, however, they do not reflect any expected purchase amounts (actual or implied). They are for CHRO use only.

NOTICE TO AGENCIES: A complete explanatory report shall be furnished promptly to the Procurement Manager concerning items delivered and/or services rendered on orders placed against awards listed herein which are found not to comply with the specifications or which are otherwise unsatisfactory from the agency's viewpoint, as well as failure of the contractor to deliver within a reasonable period of time specified. Please issue orders and process invoices promptly.

<u>CASH DISCOUNTS</u>: Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

PRICE BASIS: Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: Wilbur Technical Services

Company Address: PO Box 397 - 97 South Main Street, Mount Vernon, NH 03057

Fax. No.: Tel. No.: 603-880-7100 Contract Value: N/C

Delivery: per contracted terms Contact Person: Erik Mallory

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: erikm@jjwilbur.com www.jjwilbur.com

Remittance Address: same as above

Certification Type (SBE, MBE or None): None Agrees to Supply Political SubDivisions: **NO**

Prompt Payment Terms: Net 45

PLEASE NOTE:

Supplement #2 issued to correct Contractor name to Wilbur Technical Services effective immediately.

SP-37 - Rev. 11/17/16 Prev. Rev. 4/28/14 CONTRACT AWARD NO.: 17PSX0210

Contract Supplement #2

All terms and conditions not otherwise affected by this supplement remain unchanged and in full force and effect.

DEPARTMENT OF ADMINISTRATIVE SERVICES

Ву:_____

(Original Signature on Document in Procurement Files)

Name: **ARLENE WATSON-PAULIN**Title: Contract Specialist

Date:

SP-37 - Rev. 11/17/16 Prev. Rev. 4/28/14

Arlene Watson-Paulin Contract Specialist

860-713-5237

Telephone Number

STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES
PROCUREMENT DIVISION
450 Columbus Boulevard, Hartford, CT 06103

	CONTRACT AWARD NO.:
	17PSX0210
	Contract Award Date:
I	5 January 2018
١	Bid Due Date:
	8 December 2017
Ì	SUPPLEMENT DATE:
	7 March 2018

CONTRACT AWARD SUPPLEMENT #1

IMPORTANT: This is NOT a Purchase Order. Do NOT Produce or Ship without an Agency Purchase Order.

DESCRIPTION: Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service

FOR:		TERM OF CONTRACT:		
Department of Energy and Envi	ronmental Protection	January 1, 2018 through December 31, 2022		
		AGENCY REQUISITION NUMBER: 0000044748		
CHANGE TO IN STATE (NON-SB)	CHANGE TO DAS-CERTIFIED SMALL	Change to Out of State	CHANGE TO TOTAL CONTRACT	
CONTRACT VALUE	BUSINESS CONTRACT VALUE	CONTRACT VALUE	Award Value	
N/C	N/C	N/C	N/C	

NOTICE TO CONTRACTORS: This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made. INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

NOTE: Dollar amounts listed next to each contractor are possible award amounts, however, they do <u>not</u> reflect any expected purchase amounts (actual or implied). They are for CHRO use only.

NOTICE TO AGENCIES: A complete explanatory report shall be furnished promptly to the Procurement Manager concerning items delivered and/or services rendered on orders placed against awards listed herein which are found not to comply with the specifications or which are otherwise unsatisfactory from the agency's viewpoint, as well as failure of the contractor to deliver within a reasonable period of time specified. Please issue orders and process invoices promptly.

<u>CASH DISCOUNTS:</u> Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

<u>PRICE BASIS:</u> Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: JJ Wilbur Technical Services

Company Address: PO Box 397 – 97 South Main Street, Mount Vernon, NH 03057

Tel. No.: **603-880-7100** Fax. No.: Contract Value: **N/C**

Contact Person: Erik Mallory Delivery: per contracted terms

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: erikm@jjwilbur.com www.jjwilbur.com

Remittance Address: same as above

Certification Type (SBE,MBE or None): None Agrees to Supply Political SubDivisions: NO

Prompt Payment Terms: Net 45

PLEASE NOTE:

Supplement #1 issued to add an additional Brand (Teledyne Tekmar) under JJ Wilbur Technical Services to current Contract effective 3/8/2018 thru term of the Contract. Please see Teledyne Tekmar Price list attached.

CONTRACT SUPPLEMENT SP-37 - Rev. 11/17/16

Prev. Rev. 4/28/14

CONTRACT AWARD NO.: 17PSX0210 Contract Supplement #1

All terms and conditions not otherwise affected by this supplement remain unchanged and in full force and effect.

DEPARTMENT OF ADMINISTRATIVE SERVICES

By:______(Original Signature on Document in Procurement Files)

Name: ARLENE WATSON-PAULIN

Title: Contract Specialist

Date:

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract	#1	7P	SX	021	C
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Delivery: Please see below

Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM # DESCRIPTION OF COMMODITY AND/OR SERVICES

Authorized D

1 Manufacturer: Teledyne Tekmar

See attached price list for Teledyne Tekmar AQUATek 100 Waters-only Autosampler - Ocotber- 2015 Fusion TOC UV Persulfate Analyzer - October-2015 TOC Analyzer System Lotix - October 2015 Lumin Puurge & Trap Concentrator - December 11,2015 HT3 Static and Dynamic Headspace System - October 2015 LSS Boat (Lotix Solid Sampler) - June 2016 Authorized Distributor: Yes

Discount from attached price list: 0

Price List / Catalog Number - All items in price list Dated: October 2015, October 2016, Dec 2015, June 2016

Price List / Catalog Pages On Which: Bidding: All on Price list

Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year)

Shipment 45 Days A.R.O.

<u>General Repair Service</u> \$155.00/per hr on-site \$155.00/per hr off-site

Septa

14-5818-043 14-7418-080	Silicon rubber/teflon face septa. For 20mm top headspace vials, 125 per pack. Included with instrument shipment. (Recommended for temperatures over 100 degrees C. Color coded tan.) Foil backing, septa (pack of 125), required for high temperature vials.	\$ \$	92.82 82.62
14-4385-043 Vials	Butyl rubber septa without teflon face. For 20mm top headspace vials, 125 per pack. Recommended for temperatures up to 100 degrees C. Color coded grey.	\$	26.88
14 4440 004	Vials, 22ml headspace, w/20mm top, for high temperature use (over 225C), 125	Ф	100.00
14-4440-324	per pack. Included with instrument shipment.	\$	136.68
14-4440-024	Vials, 22ml headspace, w/20mm top, 125 per pack.	\$	54.06
14-4439-024	Vials, 12ml headspace, w/20mm top, 125 per pack. ** Requires insert for use**	\$	138.72
14-4438-024	Vials, 9ml headspace, w/20mm top, 100 per pack. ** Requires insert for use**	\$	78.54
Traps		•	
14-5864-003	Trap, VOCARB 3000	\$	90.78
14-5865-003	Trap, VOCARB 4000	\$	90.78
12-0083-003	Trap, Tenax (#1)	\$	31.62
12-0084-003	Trap, Tenax/Silica gel (#2)	\$	31.62
14-0124-003	Trap, Tenax/Silica gel/charcoal, 12" x 1/8" (#3)	\$	42.84
14-1457-003	Trap, Tenax/charcoal, 12" x 1/8" (#4)	\$	46.92
14-2366-003	Trap, OV-1/Tenax/Silica gel/charcoal, 12" x 1/8" (#5)	\$	44.88
14-1755-003	Trap, OV-1/Tenax/Silica gel, 12" x 1/8" (#6)	\$	36.72
14-3347-003	Trap, OV-1/Tenax, 12" x 1/8" (#7)	\$	40.80
14-3928-003	Trap, Carbo B/Carbo S (#8)	\$	38.76
14-5866-003	Trap, BTEX	\$	90.78
14-4045-003	Trap, GLT, Tenax (G1)	\$	110.16
14-4047-003	Trap, GLT, Tenax/Silica gel/charcoal (G3)	φ \$	110.16
14-9908-003	#9 Trap, straight (XPT)	φ \$	147.90
		φ	147.30
Interface C	ables		
14-6689-086	Interface, HP 6850, 6890, 7890 GC	\$	221.34
14-2991-000	Interface, HP 5890 GC	Ψ \$	221.34 221.34
14-2991-000	interface, iii bobb de	φ	221.54
	Interface, HP 5890 w/5970 MSD and Unix-B or MS-DOS software, HP 5890/5971/5972 MSD and Unix-B or MS-DOS software and HP 5890/5989 MS		
14-4652-086	Engine	\$	221.34
14-3233-000	Interface, Perkin-Elmer 8000 Series/Autosystem, Clarus.	\$	221.34
14-7396-086	Interface, Varian 3800/3900 & 350/450	\$	221.34
14-7396-086	Interface, Varian 3800/3900 & 350/450	\$	221.34
	Interface, Shimadzu GC 14A/15A/17A GC 14A w/QP 1000 EX MSD and GC 14A w/QP 2000 MSD, also includes 1/16" to 2mm unions, needs Shimadzu P/N 221-	,	
14-4610-086	34280-91	\$	496.74
11 1010 000	Interface, Shimadzu GC 14A/15A/17A GC 14A wQP 1000 EX MSD and GC 14A	4	100.11
14-4610-186	w/QP 2000 MSD, needs Shimadzu P/N 221-34280-91	\$	216.24

14-7397-086	Trace 2000/Trace GC Ultra Interface cable w/ 1/16" to 2mm unions	\$	438.60
14-7397-186	Trace 2000/Trace GC Ultra Interface cable	\$	216.24
14-3233-200	PE Clarus 500 Interface Cable	\$	221.34
14-9754-086	Shimadzu 2010-2014 Interface Cable	\$	221.34
15-1269-086	Young Lin YL6500 Interface Cable	\$	215.22
15-1438-086	Bruker GC/IO Cable	\$	221.34
Computer	Interface Cables		
14-5107-086	RS232 Cable Assembly (included with unit)	\$	82.62
14-9182-086	Cable Assy, RJ45 Ethernet	\$	13.43
Sample Pr	eparation Accessories		
14-4863-027	Hand crimper for 20mm top headspace vials	\$	296.82
14-4864-027	Tool, decapper 20mm neck	\$	102.00
14-4866-027	Rack holder, vial, for 10 headspace vials	\$	117.30
14-0069-052	5ml gastight syringe w/luer connector	\$	87.72
12-0089-052	10ul calibration syringe	\$	90.78
14-9001-077	Electronic Crimper for 12x32 mm vials.(115V)	\$	993.48
14-9001-177	Electronic Crimper for 12x32mm vials. (230V)	\$	730.17
Septum N	eedle Adaptors		
14-4913-153	Septum needle adapter kit, Varian 1040/1041 packed injection port	\$	867.00
14-4913-155	Septum needle adapter kit, Varian 1040/1041 packed injection port	φ \$	864.96
14-4010-200	Sopram needle daapter hit, iii oobort, oobo, capmary injection port	Ψ	004.90
14-4913-653	Septum needle adaptor kit, Shimadzu 9A, 14A and 17A packed injection ports	\$	596.70
14-5036-010	Septum nut, HP 5890A capillary injection port	\$	306.00
14-5036-110	Septum nut, HP 5890A packed injection port	\$	627.30
14-1591-610	Septum nut, Shimadzu 9A, 14A and 17A packed injection ports	\$	375.36

How Client Agency will use the new Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service 17PSX0210

Contract Overview:

This contract is for Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service.

There are (4) Contractors on the new Contract. (3) Of which are manufacturers and (1) distributor.

This contract replaces Contract Award #13PSX0171.

For ease of maneuvering thru the Contract, please utilize the bookmarks to the left.

How to use this contract:

Client Agency when making purchases of any products or require service under the Contract please contact the Contractor for the specific brand needed to meet the needs of the Agency. All products are to be purchased from the current price list as identified in the Exhibit B- Price Schedule for the respective Contractor.

Client Agency may request a copy of price-list from any and all vendors under the Contract.

Each Contractor under the Contract carries a complete product line of their product.

Awarded Contractors:

Ekto Manufacturing Corporation Environics Inc Magee Scientific &

Wilbur Technical Services (distributor) for brands:

AeroQual

Alicat

Dr DAS

Gasera

Market International

Met One

Synspec

STEP

Teledyne API

CONTRACT AWARD SP-38 - Rev. 11/17/16

Prev. Rev. 5/21/14

Arlene Watson-Paulin

Contract Specialist

860-713-5237 Telephone Number

STATE OF CONNECTICUT

DEPARTMENT OF ADMINISTRATIVE SERVICES PROCUREMENT DIVISION 450 Columbus Boulevard, Hartford, CT 06103 CONTRACT AWARD NO .:

17PSX0210

5 January 2018

Contract Award Date:

Bid Due Date:

8 December 2017

CONTRACT AWARD

IMPORTANT: THIS IS NOT A PURCHASE ORDER. DO NOT PRODUCE OR SHIP WITHOUT AN AGENCY PURCHASE ORDER.

DESCRIPTION:

Miscellaneous Environmental Air Monitoring Equipment, Related Equipment, Replacement Parts, Supplies and Service

FOR:		TERM OF CONTRACT:			
Department of Energy and Envi	ronmental Protection	Effective date through December 31, 2022 AGENCY REQUISITION NUMBER: 0000044748			
IN STATE (NON-SB)	DAS CERTIFIED SMALL	OUT OF STATE	TOTAL CONTRACT		
CONTRACT VALUE	Business Contract Value	CONTRACT VALUE	Award Value		
\$500,000.00 Est.	N/A	\$2,500,000.00 Est.	\$3,000,000.00 Est.		

NOTICE TO CONTRACTORS: This notice is not an order to ship. Purchase Orders against contracts will be furnished by the using agency or agencies on whose behalf the contract is made. INVOICE SHALL BE RENDERED DIRECT TO THE ORDERING AGENCY.

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CASH DISCOUNTS: Cash discounts, if any, shall be given SPECIAL ATTENTION, but such cash discount shall not be taken unless payment is made within the discount period.

PRICE BASIS: Unless otherwise noted, prices include delivery and transportation charges fully prepaid f.o.b. agency. No extra charge is to be made for packing or packages.

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: EKTO Manufacturing Corporation Company Address: 83 Eagle Drive, Sanford, ME 04073

Tel. No.: 207-324-4427 Fax No.: **207-324-4667** Contract Value: \$500,000.00 Est. Contact Person: Willy Faessler Delivery: Per contracted terms

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: wfaessler@ekto.com www.ekto.com

Remittance Address: same as above

Certification Type (SBE, MBE or None): None Agrees to Supply Political SubDivisions: NO

Prompt Payment Terms: Net 45

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: Environics Inc

Company Address: 69 Industrial Park Road East, Tolland, CT 06084

Fax No.: Contract Value: \$500,000.00 Est. Tel. No.: **860-872-1111** Contact Person: Mary Lou Colombaro Delivery: Per contracted terms

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: mcolombaro@environics.com www. Environics.com

Remittance Address: same as above

Certification Type (SBE, MBE or None): None Agrees to Supply Political SubDivisions: **NO**

Prompt Payment Terms: Net 45

CONTRACT AWARD

SP-38 - Rev. 11/17/16 Prev. Rev. 5/21/14 CONTRACT AWARD NO.: 17PSX0210

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: Magee Scientific

Company Address: 1916A Martin Luther King Jr way, Berkeley, CA 94704

Tel. No.: 501-845-2801 Fax No.: Contract Value: \$500,000.00 Est.

Contact Person: Gary Bridges Delivery: Per contracted terms

Contact Person Address: same as above

Company E-mail Address and/or Company Web Site: gary.bridges@mageesci.com www.mageesci.com

Remittance Address: same as above

Certification Type (SBE,MBE or None): None Agrees to Supply Political SubDivisions: NO

Prompt Payment Terms: Net 45

CONTRACTOR INFORMATION:

REFER TO THE CONTRACT ON THE DAS PROCUREMENT WEB PAGE FOR THE MOST CURRENT CONTRACTOR INFORMATION. (http://das.ct.gov/mp1.aspx?page=8)

Company Name: Wilbur Technical Services, LLC

Company Address: PO Box 397, 97 South Main Street, Mont Vernon, NH 03057

Tel. No.: **860-677-5017** or **860-508-7714** Fax No.: Contract Value: \$1,500,000.00 Est. Contact Person: Erik Mallory Delivery: **Per contracted terms**

Contact Person Address:

Company E-mail Address and/or Company Web Site: erikm@jjwilbur.com www.jjwilbur.com

Remittance Address: same as above

Certification Type (SBE,MBE or None): None Agrees to Supply Political SubDivisions: NO

Prompt Payment Terms: Net 45

The signature below by the DAS Assistant Procurement Director is evidence that the Contractor's solicitation response has/have been accepted and that the Contractor(s) and DAS are bound by all of the terms and conditions of the Contract.

DEPARTMENT OF ADMINISTRATIVE SERVICES

By:_____

(Original Signature on Document in Procurement Files)

Name: **CAROL WILSON**Title: Procurement Director

Date:

CONTRACT

17PSX0210

Between

THE STATE OF CONNECTICUT

Acting by its

DEPARTMENT OF ADMINISTRATIVE SERVICES

AND

EKTO Manufacturing Corporation, Environics Inc, MAGEE Scientific, Wilbur Technical Services, LLC

Awarded Contractor

MISCELLANEOUS ENVIRONMENTAL AIR MONITORING EQUIPMENT, RELATED EQUIPMENT, REPLACEMENT PARTS, SUPPLIES AND SERVICE

Contract Document SP-50 Rev. 11/17/16 Prev. Rev. 6/16/16

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- 3. Description of Goods and Services
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- 6. Order and Delivery
- 7. Contract Amendments
- 8. Assignment
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- 16. Forum and Choice of Law
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- 21. Goods Inspection
- 22. Emergency Standby for Goods and/or Services
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- 27. Representations and Warranties
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- 56. Certification as Small Contractor or Minority Business Enterprise
- 57. Campaign Contribution Restriction
- 58. Health Insurance Portability and Accountability Act of 1996
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EXHIBIT A - Description of Goods & Services and Additional Terms and Conditions

EXHIBIT B - Price Schedule

EXHIBIT C - Notice to Executive Branch State Contractors and Prospective State Contractors of Campaign Contribution and Solicitation Limitations

Contract Document SP-50 Rev. 11/17/16 Prev. Rev. 6/16/16

This Contract (the "Contract") is made as of the Effective Date shown on the contract award form, number SP-38 corresponding to the subject procurement and is by and between, the contractor identified on such Form SP-38 (the "Contractor,") which is attached and shall be considered a part of this Contract, with a principal place of business as indicated on the signature page form, number SP-26, acting by the duly authorized representative as indicated on the SP-26, and the State of Connecticut, Department of Administrative Services ("DAS"), with a principal place of business at 450 Columbus Boulevard, Hartford, Connecticut 06103, acting by Devin Marquez, its Assistant Procurement Director, in accordance with Sections 4a-2 and 4a-51 of the Connecticut General Statutes.

Now therefore, in consideration of these presents, and for other good and valuable consideration, the receipt and sufficiency of which the parties acknowledge, the Contractor and the State agree as follows:

- 1. <u>Definitions</u>. Unless otherwise indicated, the following terms shall have the following corresponding definitions:
- (a) Bid: A submittal in response to an Invitation to Bid.
- (b) Claims: All actions, suits, claims, demands, investigations and proceedings of any kind, open, pending or threatened, whether mature, unmatured, contingent, known or unknown, at law or in equity, in any forum.
- (c) Client Agency: Any department, commission, board, bureau, agency, institution, public authority, office, council, association, instrumentality or political subdivision of the State of Connecticut, as applicable, who is authorized and chooses to make purchases under, and pursuant to the terms and conditions of, this Contract.
- (d) Confidential Information: This shall mean any name, number or other information that may be used, alone or in conjunction with any other information, to identify a specific individual including, but not limited to, such individual's name, date of birth, mother's maiden name, motor vehicle operator's license number, Social Security number, employee identification number, employer or taxpayer identification number, alien registration number, government passport number, health insurance identification number, demand deposit account number, savings account number, credit card number, debit card number or unique biometric data such as fingerprint, voice print, retina or iris image, or other unique physical representation. Without limiting the foregoing, Confidential Information shall also include any information that the Client Agency or DAS classifies as "confidential" or "restricted." Confidential Information shall not include information that may be lawfully obtained from publicly available sources or from federal, state, or local government records which are lawfully made available to the general public.
- (e) Confidential Information Breach: This shall mean, generally, an instance where an unauthorized person or entity accesses Confidential Information in any manner, including but not limited to the following occurrences: (1) any Confidential Information that is not encrypted or protected is misplaced, lost, stolen or in any way compromised; (2) one or more third parties have had access to or taken control or possession of any Confidential Information that is not encrypted or protected without prior written authorization from the State; (3) the unauthorized acquisition of encrypted or protected Confidential Information together with the confidential process or key that is capable of compromising the integrity of the Confidential Information; or (4) if there is a substantial risk of identity theft or fraud to the Client Agency, the Contractor, DAS or State.

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- (f) Contract: The agreement, as of its Effective Date, between the Contractor and the State for any or all Goods or Services at the Bid price.
- (g) Contractor: A person or entity who submits a Bid and who executes a Contract.
- (h) Contractor Parties: A Contractor's members, directors, officers, shareholders, partners, managers, principal officers, representatives, agents, servants, consultants, employees or any one of them or any other person or entity with whom the Contractor is in privity of oral or written contract and the Contractor intends for such other person or entity to Perform under the Contract in any capacity.
- (i) Day: All calendar days other than Saturdays, Sundays and days designated as national or State of Connecticut holidays upon which banks in Connecticut are closed.
- (j) Force Majeure: Events that materially affect the cost of the Goods or Services or the time schedule within which to Perform and are outside the control of the party asserting that such an event has occurred, including, but not limited to, labor troubles unrelated to the Contractor, failure of or inadequate permanent power, unavoidable casualties, fire not caused by the Contractor, extraordinary weather conditions, disasters, riots, acts of God, insurrection or war.
- (k) Goods: For purposes of the Contract, all things which are movable at the time that the Contract is effective and which include, without limiting this definition, supplies, materials and equipment, as specified in the Invitation to Bid and set forth in Exhibit A.
- (I) Goods or Services: Goods, Services or both, as specified in the Invitation to Bid and set forth in Exhibit A.
- (m) Invitation to Bid: A State request inviting bids for Goods or Services. This Contract shall be governed by the statutes, regulations and procedures of the State of Connecticut, Department of Administrative Services.
- (n) Records: All working papers and such other information and materials as may have been accumulated by the Contractor in performing the Contract, including but not limited to, documents, data, plans, books, computations, drawings, specifications, notes, reports, records, estimates, summaries and correspondence, kept or stored in any form.
- (o) Services: The performance of labor or work, as specified in the Invitation to Bid and set forth in Exhibit A.
- (p) State: The State of Connecticut, including DAS, the Client Agency and any office, department, board, council, commission, institution or other agency of the State.
- (q) Termination: An end to the Contract prior to the end of its term whether effected pursuant to a right which the Contract creates or for a breach.
- (r) Title: all ownership, title, licenses, rights and interest, including, but not limited to, perpetual use, of and to the Goods or Services.
- 2. <u>Term of Contract; Contract Extension</u>. The Contract will be in effect from January 5, 2018 through December 31, 2022.

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The parties, by mutual agreement, may extend this Contract for additional terms beyond the original term, prior to Termination or expiration, one or more times for a combined total period not to exceed the complete length of the original term, but only in accordance with the section in this Contract concerning Contract Amendments.

- 3. <u>Description of Goods or Services and Additional Terms and Conditions</u>. The Contractor shall perform as set forth in <u>Exhibit A</u>. For purposes of this Contract, to perform and the performance in <u>Exhibit A</u> is referred to as "Perform" and the "Performance."
- 4. Price Schedule, Payment Terms and Billing, and Price Adjustments.
- (a) Price Schedule: Price Schedule under this Contract is set forth in Exhibit B.
- (b) Payment Terms and Billing:
 - (1) Payment shall be made only after the Client Agency receives and accepts the Goods or Services and after it receives a properly completed invoice. Unless otherwise specified in the Contract, payment for all accepted Goods or Services shall be due within forty-five (45) days after acceptance of the Goods or Services, or thirty (30) days if the Contractor is a certified small contractor or minority business enterprise as defined in Conn. Gen. Stat. § 4a-60g. The Contractor shall submit an invoice to the Client Agency for the Performance. The invoice shall include detailed information for Goods or Services, delivered and Performed, as applicable, and accepted. Any late payment charges shall be calculated in accordance with the Connecticut General Statutes.
 - (2) THE STATE SHALL MAKE ALL PAYMENTS TO THE CONTRACTOR THROUGH ELECTRONIC FUNDS TRANSFER VIA THE AUTOMATED CLEARING HOUSE ("ACH"). CONTRACTOR SHALL ENROLL IN ACH THROUGH THE OFFICE OF THE STATE COMPTROLLER PRIOR TO SENDING ANY INVOICE TO THE STATE. THE CONTRACTOR MAY OBTAIN DETAILED INFORMATION REGARDING ACH AT: http://www.osc.ct.gov/vendor/directdeposit.html.
- (c) Notwithstanding any language regarding Contractor price increases herein, the Price Schedule will be adjusted to reflect any increase in the minimum wage rate that may occur during the term of this Contract as mandated by State law and in accordance with the terms of this section. Contractor shall provide documentation, in the form of certified payroll or other documentation acceptable to the State, substantiating the amount of any increase in Contractor labor costs as a result of changes to the minimum wage rate within ninety (90) days of the statutorily identified effective date of any increase in the minimum wage. Upon receipt, and verification of Contractor documentation DAS shall adjust the Price Schedule accordingly through a supplement to this Contract.
- (d) Price Adjustments:
 - Prices for the Goods or Services listed in Exhibit B shall remain unchanged for twelve (12) months following the Effective Date of the Contract. The Contractor shall have the right to request a price adjustment only during the thirty (30) days immediately preceding the annual anniversary dates of the Effective Date of the Contract during the term of the Contract. During this thirty (30) day period, the Contractor may submit a request in writing to DAS for a price adjustment that is consistent with and relative to price changes originating with and compelled by manufacturer and/or market trends and which changes are outside of the Contractor's control. The Contractor must fully document its request, attaching to the request, without limitation, such manufacturer and market data, as support the requested adjustment. DAS may, in its sole discretion, approve or disapprove the

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requested adjustment, in whole or in part. Any approved adjustment shall be final and shall remain unchanged until the next annual anniversary date of the Effective Date of the Contract.

The Contractor shall submit all requests in accordance with Section #36. Notice. A request made to the Client Agency shall not be valid and the parties shall treat it as if the Contractor had not made the request at all. A request made to the Client Agency shall not be considered timely and shall not toll or extend the running of the thirty (30) days. The right of the Contractor to request a particular price adjustment shall lapse upon the expiration of the applicable thirty (30) days. If the Contractor fails to make a timely request, then the price shall remain unchanged from the previous year and shall continue through the next succeeding twelve (12) months and until the second annual anniversary of the Effective Date of the Contract, if approved, price adjustments shall become effective ten (10) days after the date of the approval. The Contractor shall honor any purchase orders issued prior to the effective date of the approval at the price in effect at the time of the issuance of the purchase order.

5. Rejected Items; Abandonment.

- (a) The Contractor may deliver, cause to be delivered, or, in any other way, bring or cause to be brought, to any State premises or other destination, Goods, as samples or otherwise, and other supplies, materials, equipment or other tangible personal property. The State may, by written notice and in accordance with the terms and conditions of the Contract, direct the Contractor to remove any or all such Goods ("the "Rejected Goods") and any or all other supplies, materials, equipment or other tangible personal property (collectively, the "Contractor Property") from and out of State premises and any other location which the State manages, leases or controls. The Contractor shall remove the Rejected Goods and the Contractor Property in accordance with the terms and conditions of the written notice. Failure to remove the Rejected Goods or the Contractor Property in accordance with the terms and conditions of the written notice shall mean, for itself and all Contractor Parties, that:
 - (1) they have voluntarily, intentionally, unconditionally, unequivocally and absolutely abandoned and left unclaimed the Rejected Goods and Contractor Property and relinquished all ownership, title, licenses, rights, possession and interest of, in and to (collectively, "Title") the Rejected Goods and Contractor Property with the specific and express intent of (A) terminating all of their Title to the Rejected Goods and Contractor Property, (B) vesting Title to the Rejected Goods and Contractor Property in the State of Connecticut and (C) not ever reclaiming Title or any future rights of any type in and to the Rejected Goods and Contractor Property;
 - (2) there is no ignorance, inadvertence or unawareness to mitigate against the intent to abandon the Rejected Goods or Contractor Property;
 - (3) they vest authority, without any further act required on their part or the State's part, in the Client Agency and the State to use or dispose of the Rejected Goods and Contractor Property, in the State's sole discretion, as if the Rejected Goods and Contractor Property were the State's own property and in accordance with law, without incurring any liability or obligation to the Contractor or any other party;
 - (4) if the State incurs any costs or expenses in connection with disposing of the Rejected Goods and Contractor Property, including, but not limited to, advertising, moving or

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storing the Rejected Goods and Contractor Property, auction and other activities, the State shall invoice the Contractor for all such cost and expenses and the Contractor shall reimburse the State no later than thirty (30) days after the date of invoice; and

- (5) they do remise, release and forever discharge the State and its employees, departments, commissions, boards, bureaus, agencies, instrumentalities or political subdivisions and their respective successors, heirs, executors and assigns (collectively, the "State and Its Agents") of and from all Claims which they and their respective successors or assigns, jointly or severally, ever had, now have or will have against the State and Its Agents arising from the use or disposition of the Rejected Goods and Contractor Property.
- (b) The Contractor shall secure from each Contractor Party, such document or instrument as necessary or appropriate as will vest in the Contractor plenary authority to bind the Contractor Parties to the full extent necessary or appropriate to give full effect to all of the terms and conditions of this section. The Contractor shall provide, no later than fifteen (15) days after receiving a request from the State, such information as the State may require to evidence, in the State's sole determination, compliance with this section.
- 6. <u>Order and Delivery</u>. The Contract shall bind the Contractor to furnish and deliver the Goods or Services in accordance with <u>Exhibit A</u> and at the prices set forth in <u>Exhibit B</u>. Subject to the sections in this Contract concerning Force Majeure, Termination and Open Market Purchases, the Contract shall bind the Client Agency to order the Goods or Services from the Contractor, and to pay for the accepted Goods or Services in accordance with <u>Exhibit B</u>.

7. Contract Amendments.

No amendment to or modification or other alteration of the Contract shall be valid or binding upon the parties unless made in writing, signed by the parties and, if applicable, approved by the Connecticut Attorney General.

8. <u>Assignment</u>. The Contractor shall not assign any of its rights or obligations under the Contract, voluntarily or otherwise, in any manner without the prior written consent of DAS. DAS may void any purported assignment in violation of this section and declare the Contractor in breach of Contract. Any Termination by DAS for a breach is without prejudice to DAS's or the State's rights or possible Claims.

9. Termination.

- (a) Notwithstanding any provisions in this Contract, DAS, through a duly authorized employee, may Terminate the Contract whenever DAS makes a written determination that such Termination is in the best interests of the State. DAS shall notify the Contractor in writing of Termination pursuant to this section, which notice shall specify the effective date of Termination and the extent to which the Contractor must complete its Performance under the Contract prior to such date.
- (b) Notwithstanding any provisions in this Contract, DAS, through a duly authorized employee, may, after making a written determination that the Contractor has breached the Contract, Terminate the Contract in accordance with the provisions in the Breach section of this Contract.
- (c) DAS shall send the notice of Termination via certified mail, return receipt requested, to the Contractor at the most current address which the Contractor has furnished to DAS for

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purposes of correspondence, or by hand delivery. Upon receiving the notice from DAS, the Contractor shall immediately discontinue all services affected in accordance with the notice, undertake all commercially reasonable efforts to mitigate any losses or damages, and deliver to the Client Agency all Records. The Records are deemed to be the property of the Client Agency and the Contractor shall deliver them to the Client Agency no later than thirty (30) days after the Termination of the Contract or fifteen (15) days after the Contractor receives a written request from either DAS or the Client Agency for the Records. The Contractor shall deliver those Records that exist in electronic, magnetic or other intangible form in a non-proprietary format, such as, but not limited to, ASCII or .TXT.

- (d) Upon receipt of a written notice of Termination from DAS, the Contractor shall cease operations as DAS directs in the notice, and take all actions that are necessary or appropriate, or that DAS may reasonably direct, for the protection, and preservation of the Goods and any other property. Except for any work which DAS directs the Contractor to Perform in the notice prior to the effective date of Termination, and except as otherwise provided in the notice, the Contractor shall terminate or conclude all existing subcontracts and purchase orders and shall not enter into any further subcontracts, purchase orders or commitments.
- (e) The Client Agency shall, within forty-five (45) days of the effective date of Termination, reimburse the Contractor for its Performance rendered and accepted by the Client Agency in accordance with Exhibit A, in addition to all actual and reasonable costs incurred after Termination in completing those portions of the Performance which the notice required the Contractor to complete. However, the Contractor is not entitled to receive and the Client Agency is not obligated to tender to the Contractor any payments for anticipated or lost profits. Upon request by DAS or the Client Agency, as applicable, the Contractor shall assign to DAS or the Client Agency, or any replacement contractor which DAS or the Client Agency designates, all subcontracts, purchase orders and other commitments, deliver to DAS or the Client Agency all Records and other information pertaining to its Performance, and remove from State premises, whether leased or owned, all of Contractor's property, equipment, waste material and rubbish related to its Performance, all as DAS or the Client Agency may request.
- (f) For breach or violation of any of the provisions in the section concerning Representations and Warranties, DAS may Terminate the Contract in accordance with its terms and revoke any consents to assignments given as if the assignments had never been requested or consented to, without liability to the Contractor or Contractor Parties or any third party.
- (g) Upon Termination of the Contract, all rights and obligations shall be null and void, so that no party shall have any further rights or obligations to any other party, except with respect to the sections which survive Termination. All representations, warranties, agreements and rights of the parties under the Contract shall survive such Termination to the extent not otherwise limited in the Contract and without each one of them having to be specifically mentioned in the Contract.
- (h) Termination of the Contract pursuant to this section shall not be deemed to be a breach of contract by DAS.
- 10. <u>Cost Modifications</u>. The parties may agree to a reduction in the cost of the Contract at any time during which the Contract is in effect. Without intending to impose a limitation on the nature of the reduction, the reduction may be to hourly, staffing or unit costs, the total cost

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of the Contract or the reduction may take such other form as the State deems to be necessary or appropriate.

11. Breach. If either party breaches the Contract in any respect, the non-breaching party shall provide written notice of such breach to the breaching party and afford the breaching party an opportunity to cure the breach within ten (10) days from the date that the breaching party receives such notice. Any other time provided for in the notice shall trump such ten (10) days. Such right to cure period shall be extended if the non-breaching party is satisfied that the breaching party is making a good faith effort to cure but the nature of the breach is such that it cannot be cured within the right to cure period. The notice may include an effective Contract Termination date if the breach is not cured by the stated date and, unless otherwise modified by the non-breaching party in writing prior to the Termination date, no further action shall be required of any party to effect the Termination as of the stated date. If the notice does not set forth an effective Contract Termination date, then the nonbreaching party may Terminate the Contract by giving the breaching party no less than twenty four (24) hours' prior written notice. If DAS believes that the Contractor has not performed according to the Contract, the Client Agency may withhold payment in whole or in part pending resolution of the Performance issue, provided that DAS notifies the Contractor in writing prior to the date that the payment would have been due in accordance with Exhibit B.

12. Waiver.

- (a) No waiver of any breach of the Contract shall be interpreted or deemed to be a waiver of any other or subsequent breach. All remedies afforded in the Contract shall be taken and construed as cumulative, that is, in addition to every other remedy provided in the Contract or at law or in equity.
- (b) A party's failure to insist on strict performance of any provision of the Contract shall only be deemed to be a waiver of rights and remedies concerning that specific instance of Performance and shall not be deemed to be a waiver of any subsequent rights, remedies or breach.
- 13. Open Market Purchases. Failure of the Contractor to Perform within the time specified in the Contract, or failure to replace rejected or substandard Goods or fulfill unperformed Services when so requested and as the Contract provides or allows, constitutes a breach of the Contract and as a remedy for such breach, such failure shall constitute authority for DAS, if it deems it to be necessary or appropriate in its sole discretion, to Terminate the Contract and/or to purchase on the open market, Goods or Services to replace those which have been rejected, not delivered, or not Performed. The Client Agency shall invoice the Contractor for all such purchases to the extent that they exceed the costs and expenses in Exhibit B and the Contractor shall pay the Client Agency's invoice immediately after receiving the invoice. If DAS does not Terminate the Contract, the Client Agency will deduct such open market purchases from the Contract quantities. However, if the Client Agency deems it to be in the best interest of the State, the Client Agency may accept and use the Goods or Services delivered which are substandard in quality, subject to an adjustment in price to be determined by the Client Agency.

14. Purchase Orders.

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- (a) The Contract itself is not an authorization for the Contractor to ship Goods or begin Performance in any way. The Contractor may begin Performance only after it has received a duly issued purchase order against the Contract for Performance.
- (b) The Client Agency shall issue a purchase order against the Contract directly to the Contractor and to no other party.
- (c) All purchase orders shall be in written or electronic form, bear the Contract number (if any) and comply with all other State and Client Agency requirements, particularly the Client Agency's requirements concerning procurement. Purchase orders issued in compliance with such requirements shall be deemed to be duly issued.
- (d) A Contractor making delivery without a duly issued purchase order in accordance with this section does so at the Contractor's own risk.
- (e) The Client Agency may, in its sole discretion, deliver to the Contractor any or all duly issued purchase orders via electronic means only, such that the Client Agency shall not have any additional obligation to deliver to the Contractor a "hard copy" of the purchase order or a copy bearing any hand-written signature or other "original" marking.

15. Indemnification.

- (a) The Contractor shall indemnify, defend and hold harmless the State and its officers, representatives, agents, servants, employees, successors and assigns from and against any and all (1) Claims arising, directly or indirectly, in connection with the Contract, including the acts of commission or omission (collectively, the "Acts") of the Contractor or Contractor Parties; and (2) liabilities, damages, losses, costs and expenses, including but not limited to, attorneys' and other professionals' fees, arising, directly or indirectly, in connection with Claims, Acts or the Contract. The Contractor shall use counsel reasonably acceptable to the State in carrying out its obligations under this section. The Contractor's obligations under this section to indemnify, defend and hold harmless against Claims includes Claims concerning confidentiality of any part of or all of the Contractor's bid, proposal or any Records, any intellectual property rights, other proprietary rights of any person or entity, copyrighted or uncopyrighted compositions, secret processes, patented or unpatented inventions, articles or appliances furnished or used in the Performance.
- (b) The Contractor shall not be responsible for indemnifying or holding the State harmless from any liability arising due to the negligence of the State or any other person or entity acting under the direct control or supervision of the State.
- (c) The Contractor shall reimburse the State for any and all damages to the real or personal property of the State caused by the Acts of the Contractor or any Contractor Parties. The State shall give the Contractor reasonable notice of any such Claims.
- (d)The Contractor's duties under this section shall remain fully in effect and binding in accordance with the terms and conditions of the Contract, without being lessened or compromised in any way, even where the Contractor is alleged or is found to have merely contributed in part to the Acts giving rise to the Claims and/or where the State is alleged or is found to have contributed to the Acts giving rise to the Claims.
- (e)The Contractor shall carry and maintain at all times during the term of the Contract, and during the time that any provisions survive the term of the Contract, sufficient general

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liability insurance to satisfy its obligations under this Contract. The Contractor shall cause the State to be named as an additional insured on the policy and shall provide (1) a certificate of insurance, (2) the declaration page and (3) the additional insured endorsement to the policy to DAS all in an electronic format acceptable to DAS prior to the Effective Date of the Contract evidencing that the State is an additional insured. The Contractor shall not begin Performance until the delivery of these 3 documents to DAS. Contractor shall provide an annual electronic update of the 3 documents to DAS on or before each anniversary of the Effective Date during the Contract Term. State shall be entitled to recover under the insurance policy even if a body of competent jurisdiction determines that State is contributorily negligent.

- (f) This section shall survive the Termination of the Contract and shall not be limited by reason of any insurance coverage.
- 16. Forum and Choice of Law. The parties deem the Contract to have been made in the City of Hartford, State of Connecticut. Both parties agree that it is fair and reasonable for the validity and construction of the Contract to be, and it shall be, governed by the laws and court decisions of the State of Connecticut, without giving effect to its principles of conflicts of laws. To the extent that any immunities provided by Federal law or the laws of the State of Connecticut do not bar an action against the State, and to the extent that these courts are courts of competent jurisdiction, for the purpose of venue, the complaint shall be made returnable to the Judicial District of Hartford only or shall be brought in the United States District Court for the District of Connecticut only, and shall not be transferred to any other court, provided, however, that nothing here constitutes a waiver or compromise of the sovereign immunity of the State of Connecticut. The Contractor waives any objection which it may now have or will have to the laying of venue of any Claims in any forum and further irrevocably submits to such jurisdiction in any suit, action or proceeding.
- 17. Contractor Guaranties. Contractor shall:
- (a) Perform fully under the Contract;
- (b) Guarantee the Goods or Services against defective material or workmanship and to repair any damage or marring occasioned in transit or, at the Client Agency's option, replace them;
- (c) Furnish adequate protection from damage for all work and to repair damage of any kind, for which its workers are responsible, to the premises, Goods, the Contractor's work or that of Contractor Parties;
- (d) With respect to the provision of Services, pay for all permits, licenses and fees and give all required or appropriate notices;
- (e) Adhere to all Contractual provisions ensuring the confidentiality of Records that the Contractor has access to and are exempt from disclosure under the State's Freedom of Information Act or other applicable law; and
- (f) Neither disclaim, exclude nor modify the implied warranties of fitness for a particular purpose or of merchantability.
- 18. <u>Implied Warranties</u>. DAS does not disclaim, exclude or modify the implied warranty of fitness for a particular purpose or the warranty of merchantability.

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19. <u>Goods, Standards and Appurtenances</u>. Any Goods delivered must be standard new Goods, latest model, except as otherwise specifically stated in the Contract. Remanufactured, refurbished or reconditioned equipment may be accepted but only to the extent allowed under the Contract. Where the Contract does not specifically list or describe any parts or nominal appurtenances of equipment for the Goods, it shall be understood that the Contractor shall deliver such equipment and appurtenances as are usually provided with the manufacturer's stock model.

20. Delivery.

- (a) Delivery shall be made as ordered and in accordance with the Contract. Unless otherwise specified in the Contract, delivery shall be to a loading dock or receiving platform. The Contractor or Contractor's shipping designee shall be responsible for removal of Goods from the carrier and placement on the Client Agency loading dock or receiving platform. The receiving personnel of the Client Agency are not required to assist in this process. The decision of DAS as to reasonable compliance with delivery terms shall be final and binding. The burden of proof of proper receipt of the order shall rest with the Contractor.
- (b) In order for the time of delivery to be extended, the Client Agency must first approve a request for extension from the time specified in the Contract, such extension applying only to the particular item or shipment.
- (c) Goods shall be securely and properly packed for shipment, according to accepted standard commercial practice, without extra charge for packing cases, baling or sacks. The containers shall remain the property of the Client Agency unless otherwise stated in the Contract.
- (d) All risk of loss and damage to the Goods transfers to the Client Agency upon Title vesting in the Client Agency.
- 21. <u>Goods Inspection</u>. The Commissioner of DAS, in consultation with the Client Agency, shall determine the manner and prescribe the inspection of all Goods and the tests of all samples submitted to determine whether they comply with all of the specifications in the Contract. If any Goods fail in any way to meet the specifications in the Contract, the Client Agency or the Commissioner of DAS may, in its sole discretion, either reject it and owe nothing or accept it and pay for it on an adjusted price basis, depending on the degree to which the Goods meet the specifications. Any decision pertaining to any such failure or rejection shall be final and binding.
- 22. Emergency Standby for Goods and/or Services. If any Federal or State official, having authority to do so, declares an emergency or the occurrence of a natural disaster within the State of Connecticut, DAS and the Client Agency may request the Goods and Services on an expedited and prioritized basis. Upon receipt of such a request the Contractor shall make all necessary and appropriate commercially reasonable efforts to reallocate its staffing and other resources in order to give primary preference to Performing this Contract ahead of or prior to fulfilling, in whole or in part, any other contractual obligations that the Contractor may have. The Contractor is not obligated to make those efforts to Perform on an expedited and prioritized basis in accordance with this paragraph if doing so will make the Contractor materially breach any other contractual obligations that the Contractor may have. Contractor shall acknowledge receipt of any request made pursuant to this paragraph within 2 hours from the time that the Contractor receives it via purchase order or through a request to make an expedited or prioritized purchase through the State of Connecticut Purchasing Card (MasterCard) Program (the "P-Card Program"). If the

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Contractor fails to acknowledge receipt within 2 hours, confirm its obligation to Perform or actually Perform, as set forth in the purchase order or through the P-Card Program, then DAS and the Client Agency may procure the Performance from another source without further notice to Contractor and without creating any right of recourse at law or in equity against DAS or Client Agency.

- 23. Setoff. In addition to all other remedies available hereunder, the State, in its sole discretion, may setoff (1) any costs or expenses that the State incurs resulting from the Contractor's unexcused nonperformance under the Contract and under any other agreement or arrangement that the Contractor has with the State and (2) any other amounts that are due or may become due from the State to the Contractor, against amounts otherwise due or that may become due to the Contractor under the Contract, or under any other agreement or arrangement that the Contractor has with the State. The State's right of setoff shall not be deemed to be the State's exclusive remedy for the Contractor's or Contractor Parties' breach of the Contract, all of which shall survive any setoffs by the State.
- 24. <u>Force Majeure</u>. The State and the Contractor shall not be excused from their obligation to Perform in accordance with the Contract except in the case of Force Majeure events and as otherwise provided for in the Contract. In the case of any such exception, the nonperforming party shall give immediate written notice to the other, explaining the cause and probable duration of any such nonperformance.
- 25. <u>Advertising</u>. The Contractor shall not refer to sales to the State for advertising or promotional purposes, including, but not limited to, posting any material or data on the Internet, without DAS's prior written approval.
- 26. <u>Americans With Disabilities Act</u>. The Contractor shall be and remain in compliance with the Americans with Disabilities Act of 1990 ("Act"), to the extent applicable, during the term of the Contract. DAS may Terminate the Contract if the Contractor fails to comply with the Act.
- 27. <u>Representations and Warranties</u>. The Contractor, represents and warrants to DAS for itself and Contractor Parties, that:
- (a) if they are entities, they are duly and validly existing under the laws of their respective states of organization and authorized to conduct business in the State of Connecticut in the manner contemplated by the Contract. Further, as appropriate, they have taken all necessary action to authorize the execution, delivery and Performance of the Contract and have the power and authority to execute, deliver and Perform their obligations under the Contract;
- (b) they will comply with all applicable State and Federal laws and municipal ordinances in satisfying their obligations to the State under and pursuant to the Contract, including, but not limited to (1) Connecticut General Statutes Title 1, Chapter 10, concerning the State's Codes of Ethics and (2) Title 4a concerning State purchasing, including, but not limited to Section 22a-194a concerning the use of polystyrene foam;
- (c) the execution, delivery and Performance of the Contract will not violate, be in conflict with, result in a breach of or constitute (with or without due notice and/or lapse of time) a default under any of the following, as applicable: (1) any provision of law; (2) any order of any court or the State; or (3) any indenture, agreement, document or other instrument to which it is a party or by which it may be bound;

- (d) they are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any governmental entity;
- (e) as applicable, they have not, within the three years preceding the Contract, in any of their current or former jobs, been convicted of, or had a civil judgment rendered against them or against any person who would Perform under the Contract, for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a transaction or contract with any governmental entity. This includes, but is not limited to, violation of Federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (f) they are not presently indicted for or otherwise criminally or civilly charged by any governmental entity with commission of any of the offenses listed above;
- (g) they have not within the three years preceding the Contract had one or more contracts with any governmental entity Terminated;
- (h) they have not employed or retained any entity or person, other than a bona fide employee working solely for them, to solicit or secure the Contract and that they have not paid or agreed to pay any entity or person, other than a bona fide employee working solely for them, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of the Contract or any assignments made in accordance with the terms of the Contract;
- (i) to the best of their knowledge, there are no Claims involving the Contractor or Contractor Parties that might reasonably be expected to materially adversely affect their businesses, operations, assets, properties, financial stability, business prospects or ability to Perform fully under the Contract;
- (j) they shall disclose, to the best of their knowledge, to DAS in writing any Claims involving them that might reasonably be expected to materially adversely affect their businesses, operations, assets, properties, financial stability, business prospects or ability to Perform fully under the Contract, no later than ten (10) Days after becoming aware or after they should have become aware of any such Claims. For purposes of the Contractor's obligation to disclose any Claims to DAS, the ten (10) Days in the section of this Contract concerning Disclosure of Contractor Parties Litigation shall run consecutively with the ten (10) Days provided for in this representation and warranty;
- (k) their participation in the Invitation to Bid process is not a conflict of interest or a breach of ethics under the provisions of Title 1, Chapter 10 of the Connecticut General Statutes concerning the State's Code of Ethics;
- (I) the Bid was not made in connection or concert with any other person or entity, including any affiliate (as defined in the Tangible Personal Property section of this Contract) of the Contractor, submitting a bid for the same Goods or Services, and is in all respects fair and without collusion or fraud;
- (m) they are able to Perform under the Contract using their own resources or the resources of a party who is not a Contractor;

- (n) the Contractor shall obtain in a written contract all of the representations and warranties in this section from any Contractor Parties and to require that provision to be included in any contracts and purchase orders with Contractor Parties;
- (o) they have paid all applicable workers' compensation second injury fund assessments concerning all previous work done in Connecticut;
- (p) they have a record of compliance with Occupational Health and Safety Administration regulations without any unabated, willful or serious violations;
- (g) they owe no unemployment compensation contributions;
- (r) they are not delinquent in the payment of any taxes owed, or, that they have filed a sales tax security bond, and they have, if and as applicable, filed for motor carrier road tax stickers and have paid all outstanding road taxes;
- (s) all of their vehicles have current registrations and, unless such vehicles are no longer in service, they shall not allow any such registrations to lapse;
- (t) each Contractor Party has vested in the Contractor plenary authority to bind the Contractor Parties to the full extent necessary or appropriate to ensure full compliance with and Performance in accordance with all of the terms and conditions of the Contract and that all appropriate parties shall also provide to DAS, no later than fifteen (15) days after receiving a request from DAS, such information as DAS may require to evidence, in DAS's sole determination, compliance with this section;
- (u) except to the extent modified or abrogated in the Contract, all Title shall pass to the Client Agency upon complete installation, testing and acceptance of the Goods or Services and payment by the Client Agency;
- (v) if either party Terminates the Contract, for any reason, they shall relinquish to the Client Agency all Title to the Goods delivered, accepted and paid for (except to the extent any invoiced amount is disputed) by the Client Agency;
- (w) with regard to third party products provided with the Goods, they shall transfer all licenses which they are permitted to transfer in accordance with the applicable third party license;
- (x) they shall not copyright, register, distribute or claim any rights in or to the Goods after the Effective Date of the Contract without DAS's prior written consent;
- (y) they either own or have the authority to use all Title of and to the Goods, and that such Title is not the subject of any encumbrances, liens or claims of ownership by any third party;
- (z) the Goods do not infringe or misappropriate any patent, trade secret or other intellectual property right of a third party;
- (aa) the Client Agency's use of any Goods shall not infringe or misappropriate any patent, trade secret or other intellectual property right of a third party;
- (bb) if they procure any Goods, they shall sub-license such Goods and that the Client Agency shall be afforded the full benefits of any manufacturer or subcontractor licenses for the use of the Goods; and

- (cc) they shall assign or otherwise transfer to the Client Agency, or afford the Client Agency the full benefits of any manufacturer's warranty for the Goods, to the extent that such warranties are assignable or otherwise transferable to the Client Agency.
- 28. Representations and Warranties Concerning Motor Vehicles. If in the course of Performance or in any other way related to the Contract the Contractor at any time uses or operates "motor vehicles," as that term is defined by Conn. Gen. Stat. §14-1 (including, but not limited to such services as snow plowing, sanding, hauling or delivery of materials, freight or merchandise, or the transportation of passengers), the Contractor, represents and warrants for itself and the Contractor Parties, that:
- (a) It is the owner of record or lessee of record of each such motor vehicle used in the Performance of the Contract, and each such motor vehicle is duly registered with the Connecticut Department of Motor Vehicles ("ConnDMV") in accordance with the provisions of Chapter 246 of the Connecticut General Statutes. Each such registration shall be in valid status, and shall not be expired, suspended or revoked by ConnDMV, for any reason or cause. If such motor vehicle is not registered with ConnDMV, then it shall be duly registered with another state or commonwealth in accordance with such other state's or commonwealth's applicable statutes. Each such registration shall be in valid status, and shall not be expired, suspended or revoked by such other state or commonwealth for any reason or cause.
- (b) Each such motor vehicle shall be fully insured in accordance with the provisions of Sections 14-12b, 14-112 and 38a-371 of the Connecticut General Statutes, as amended, in the amounts required by the said sections or in such higher amounts as have been specified by ConnDMV as a condition for the award of the Contract, or in accordance with all substantially similar provisions imposed by the law of the jurisdiction where the motor vehicle is registered.
- (c) Each Contractor Party who uses or operates a motor vehicle at any time in the Performance of the Contract shall have and maintain a motor vehicle operator's license or commercial driver's license of the appropriate class for the motor vehicle being used or operated. Each such license shall bear the endorsement or endorsements required by the provisions of Section 14-36a of the Connecticut General Statutes, as amended, to operate such motor vehicle, or required by substantially similar provisions imposed by the law of another jurisdiction in which the operator is licensed to operate such motor vehicle. The license shall be in valid status, and shall not be expired, suspended or revoked by ConnDMV or such other jurisdiction for any reason or cause.
- (d) Each motor vehicle shall be in full compliance with all of the terms and conditions of all provisions of the Connecticut General Statutes and regulations, or those of the jurisdiction where the motor vehicle is registered, pertaining to the mechanical condition, equipment, marking and operation of motor vehicles of such type, class and weight, including, but not limited to, requirements for intrastate carriers with motor vehicles having a gross vehicle weight rating or gross combination weight rating or gross vehicle weight or gross combination weight of 18,001 pounds or more or interstate carriers with motor vehicles having a gross vehicle weight rating or gross combination weight rating or gross vehicle weight or gross combination weight of 10,001 pounds or more otherwise described by the provisions of Conn. Gen. Stat. § 14-163c(a) and all applicable provisions of the Federal Motor Carrier Safety Regulations, as set forth in Title 49, Parts 382 to 399, inclusive, of the Code of Federal Regulations. If the Contractor is a "motor carrier," as that term is defined in

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section 49 CFR Part 390, and the Contractor is subject to an order issued by the Federal Motor Carrier Safety Administration that prohibits such Contractor from operating or allowing the operation of a motor vehicle, then the Contractor shall comply fully with such order. In addition, if a motor vehicle or its operator is declared out of service pursuant to Conn. Gen. Stat. § 14-163c(d)(4), then the Contractor shall not operate or allow the operation of that motor vehicle and shall not allow the operator to operate a motor vehicle while the respective subject out-of-service order is in effect.

- 29. <u>Disclosure of Contractor Parties Litigation</u>. The Contractor shall require that all Contractor Parties, as appropriate, disclose to the Contractor, to the best of their knowledge, any Claims involving the Contractor Parties that might reasonably be expected to materially adversely affect their businesses, operations, assets, properties, financial stability, business prospects or ability to Perform fully under the Contract, no later than ten (10) Days after becoming aware or after they should have become aware of any such Claims. Disclosure shall be in writing.
- 30. Entirety of Contract. The Contract is the entire agreement between the parties with respect to its subject matter, and supersedes all prior agreements, bids, offers, counteroffers and understandings of the parties, whether written or oral. The Contract has been entered into after full investigation, neither party relying upon any statement or representation by the other unless such statement or representation is specifically embodied in the Contract.
- 31. <u>Exhibits</u>. All exhibits referred to in and attached to this Contract are incorporated in this Contract by such reference and shall be deemed to be a part of it as if they had been fully set forth in it.
- 32. Executive Orders. This Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. The Contract may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services and to Executive Order No. 49 of Governor Dannel P. Malloy, promulgated May 22, 2015, mandating disclosure of certain gifts to public employees and contributions to certain candidates for office. If Executive Order 14 and/or Executive Order 49 are applicable, they are deemed to be incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency or DAS shall provide a copy of these orders to the Contractor.

33. Non-discrimination.

- (a) For purposes of this Section, the following terms are defined as follows:
 - "Commission" means the Commission on Human Rights and Opportunities;
 - (2) "Contract" and "contract" include any extension or modification of the Contract or contract;
 - (3) "Contractor" and "contractor" include any successors or assigns of the Contractor or contractor;

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(b)

- (4) "Gender identity or expression" means a person's gender-related identity, appearance or behavior, whether or not that gender-related identity, appearance or behavior is different from that traditionally associated with the person's physiology or assigned sex at birth, which gender-related identity can be shown by providing evidence including, but not limited to, medical history, care or treatment of the gender-related identity, consistent and uniform assertion of the gender-related identity or any other evidence that the gender-related identity is sincerely held, part of a person's core identity or not being asserted for an improper purpose.
- (5) "good faith" means that degree of diligence which a reasonable person would exercise in the performance of legal duties and obligations;
- (6) "good faith efforts" shall include, but not be limited to, those reasonable initial efforts necessary to comply with statutory or regulatory requirements and additional or substituted efforts when it is determined that such initial efforts will not be sufficient to comply with such requirements;
- (7) "marital status" means being single, married as recognized by the state of Connecticut, widowed, separated or divorced;
- (8) "mental disability" means one or more mental disorders, as defined in the most recent edition of the American Psychiatric Association's "Diagnostic and Statistical Manual of Mental Disorders", or a record of or regarding a person as having one or more such disorders;
- (9) "minority business enterprise" means any small contractor or supplier of materials fifty-one percent or more of the capital stock, if any, or assets of which is owned by a person or persons: (1) who are active in the daily affairs of the enterprise, (2) who have the power to direct the management and policies of the enterprise, and (3) who are members of a minority, as such term is defined in subsection (a) of Connecticut General Statutes § 32-9n; and
- (10) "public works contract" means any agreement between any individual, firm or corporation and the State or any political subdivision of the State other than a municipality for construction, rehabilitation, conversion, extension, demolition or repair of a public building, highway or other changes or improvements in real property, or which is financed in whole or in part by the State, including, but not limited to, matching expenditures, grants, loans, insurance or guarantees.

For purposes of this Section, the terms "Contract" and "contract" do not include a contract where each contractor is (1) a political subdivision of the state, including, but not limited to, a municipality, (2) a quasi-public agency, as defined in Conn. Gen. Stat. Section 1-120, (3) any other state, including but not limited to any federally recognized Indian tribal governments, as defined in Conn. Gen. Stat. Section 1-267, (4) the federal government, (5) a foreign government, or (6) an agency of a subdivision, agency, state or government described in the immediately preceding enumerated items (1), (2), (3), (4) or (5).

(1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin,

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> ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the State of Connecticut; and the Contractor further agrees to take affirmative action to insure that applicants with jobrelated qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, intellectual disability, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by the Contractor that such disability prevents performance of the work involved; (2) the Contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission; (3) the Contractor agrees to provide each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding and each vendor with which the Contractor has a contract or understanding, a notice to be provided by the Commission, advising the labor union or workers' representative of the Contractor's commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment; (4) the Contractor agrees to comply with each provision of this Section and Connecticut General Statutes §§ 46a-68e and 46a-68f and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes §§ 46a-56, 46a-68e and 46a-68f; and (5) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor as relate to the provisions of this Section and Connecticut General Statutes § 46a-56. If the contract is a public works contract, the Contractor agrees and warrants that he will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works projects.

- (c) Determination of the Contractor's good faith efforts shall include, but shall not be limited to, the following factors: The Contractor's employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the Commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.
- (d) The Contractor shall develop and maintain adequate documentation, in a manner prescribed by the Commission, of its good faith efforts.
- (e) The Contractor shall include the provisions of subsection (b) of this Section in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes §46a-56; provided if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

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- (f) The Contractor agrees to comply with the regulations referred to in this Section as they exist on the date of this Contract and as they may be adopted or amended from time to time during the term of this Contract and any amendments thereto.
- (g) (1) The Contractor agrees and warrants that in the performance of the Contract such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation; (2) the Contractor agrees to provide each labor union or representative of workers with which such Contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such Contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the Contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; (3) the Contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes § 46a-56; and (4) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor which relate to the provisions of this Section and Connecticut General Statutes § 46a-56.
- (h) The Contractor shall include the provisions of the foregoing paragraph in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes § 46a-56; provided, if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

34. Tangible Personal Property.

- (a) The Contractor on its behalf and on behalf of its Affiliates, as defined below, shall comply with the provisions of Conn. Gen. Stat. §12-411b, as follows:
 - (1) For the term of the Contract, the Contractor and its Affiliates shall collect and remit to the State of Connecticut, Department of Revenue Services, any Connecticut use tax due under the provisions of Chapter 219 of the Connecticut General Statutes for items of tangible personal property sold by the Contractor or by any of its Affiliates in the same manner as if the Contractor and such Affiliates were engaged in the business of selling tangible personal property for use in Connecticut and had sufficient nexus under the provisions of Chapter 219 to be required to collect Connecticut use tax;
 - (2) A customer's payment of a use tax to the Contractor or its Affiliates relieves the customer of liability for the use tax;

- (3) The Contractor and its Affiliates shall remit all use taxes they collect from customers on or before the due date specified in the Contract, which may not be later than the last day of the month next succeeding the end of a calendar quarter or other tax collection period during which the tax was collected;
- (4) The Contractor and its Affiliates are not liable for use tax billed by them but not paid to them by a customer; and
- (5) Any Contractor or Affiliate who fails to remit use taxes collected on behalf of its customers by the due date specified in the Contract shall be subject to the interest and penalties provided for persons required to collect sales tax under chapter 219 of the general statutes.
- (b) For purposes of this section of the Contract, the word "Affiliate" means any person, as defined in section 12-1 of the general statutes, that controls, is controlled by, or is under common control with another person. A person controls another person if the person owns, directly or indirectly, more than ten per cent of the voting securities of the other person. The word "voting security" means a security that confers upon the holder the right to vote for the election of members of the board of directors or similar governing body of the business, or that is convertible into, or entitles the holder to receive, upon its exercise, a security that confers such a right to vote. "Voting security" includes a general partnership interest.
- (c) The Contractor represents and warrants that each of its Affiliates has vested in the Contractor plenary authority to so bind the Affiliates in any agreement with the State of Connecticut. The Contractor on its own behalf and on behalf of its Affiliates shall also provide, no later than 30 days after receiving a request by the State's contracting authority, such information as the State may require to ensure, in the State's sole determination, compliance with the provisions of Chapter 219 of the Connecticut General Statutes, including, but not limited to, §12-411b.
- 35. Whistleblowing. This Contract may be subject to the provisions of Section 4-61dd of the Connecticut General Statutes. In accordance with this statute, if an officer, employee or appointing authority of the Contractor takes or threatens to take any personnel action against any employee of the Contractor in retaliation for such employee's disclosure of information to any employee of the contracting state or quasi-public agency or the Auditors of Public Accounts or the Attorney General under the provisions of subsection (a) of such statute, the Contractor shall be liable for a civil penalty of not more than five thousand dollars for each offense, up to a maximum of twenty per cent of the value of this Contract. Each violation shall be a separate and distinct offense and in the case of a continuing violation, each calendar day's continuance of the violation shall be deemed to be a separate and distinct offense. The State may request that the Attorney General bring a civil action in the Superior Court for the Judicial District of Hartford to seek imposition and recovery of such civil penalty. In accordance with subsection (f) of such statute, each large state contractor, as defined in the statute, shall post a notice of the provisions of the statute relating to large state contractors in a conspicuous place which is readily available for viewing by the employees of the Contractor.
- 36. <u>Notice</u>. All notices, demands, requests, consents, approvals or other communications required or permitted to be given or which are given with respect to this Contract (for the purpose of this section collectively called "Notices") shall be deemed to have been effected at such time as the notice is placed in the U.S. mail, first class and postage pre-paid, return receipt requested or placed with a recognized, overnight express delivery service that

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provides for a return receipt. All such Notices shall be in writing and shall be addressed as follows:

If to DAS:

State of Connecticut Department of Administrative Services Procurement Division 450 Columbus Boulevard, Suite 1202 Hartford, CT 06103 Attention: Arlene Watson-Paulin

If to the Contractor:

At the address set forth on Form SP-38.

- 37. <u>Insurance</u>. Before commencing Performance, the Contractor shall obtain and maintain at its own cost and expense for the duration of the Contract, the following insurance as described in (a) through (h) below. Contractor shall assume any and all deductibles in the described insurance policies. The Contractor's insurers shall have no right of recovery or subrogation against the State and the described Contractor's insurance shall be primary coverage. Any failure to comply with the claim reporting provisions of the policy shall not affect coverage provided to the State.
- (a) Reserved
- (b) Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. Coverage shall include, Premises and Operations, Independent Contractors, Products and Completed Operations, Contractual Liability and Broad Form Property Damage coverage. If a general aggregate is used, the general aggregate limit shall apply separately to the project or the general aggregate limit shall be twice the occurrence limit.
- (c) Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury. Coverage extends to owned, hired and non-owned automobiles. If the vendor/contractor does not own an automobile, but one is used in the execution of the contract, then only hired and non-owned coverage is required. If a vehicle is not used in the execution of the contract then automobile coverage is not required.
- (d) Workers' Compensation and Employers Liability: Statutory coverage in compliance with the Compensation laws of the State of Connecticut. Coverage shall include Employer's Liability with minimum limits of \$100,000 each accident, \$500,000 Disease Policy limit, \$100,000 each employee.
- (e) Reserved
- (f) Umbrella Liability: Excess/umbrella liability insurance may be included to meet minimum requirements. Umbrella coverage must indicate the existing underlying insurance coverage.
- (g) Claims Made: Not acceptable with the exception of Professional Liability when specified.
- (h) Reserved

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- 38. <u>Headings</u>. The headings given to the sections in the Contract are inserted only for convenience and are in no way to be construed as part of the Contract or as a limitation of the scope of the particular section to which the heading refers.
- 39. <u>Number and Gender</u>. Whenever the context so requires, the plural or singular shall include each other and the use of any gender shall include all genders.
- 40. <u>Parties</u>. To the extent that any Contractor Party is to participate or Perform in any way, directly or indirectly in connection with the Contract, any reference in the Contract to "Contractor" shall also be deemed to include "Contractor Parties," as if such reference had originally specifically included "Contractor Parties" since it is the parties' intent for the terms "Contractor Parties" to be vested with the same respective rights and obligations as the term "Contractor."
- 41. <u>Contractor Changes</u>. The Contractor shall notify DAS in writing no later than ten (10) Days from the effective date of any change in:
- a. its certificate of incorporation or other organizational document;
- b. more than a controlling interest in the ownership of the Contractor; or
- c. the individual(s) in charge of the Performance.

This change shall not relieve the Contractor of any responsibility for the accuracy and completeness of the Performance. DAS, after receiving written notice by the Contractor of any such change, may require such agreements, releases and other instruments evidencing, to DAS's satisfaction, that any individuals retiring or otherwise separating from the Contractor have been compensated in full or that provision has been made for compensation in full, for all work performed under terms of the Contract. The Contractor shall deliver such documents to DAS in accordance with the terms of DAS's written request. DAS may also require, and the Contractor shall deliver, a financial statement showing that solvency of the Contractor is maintained. The death of any Contractor Party, as applicable, shall not release the Contractor from the obligation to Perform under the Contract the surviving Contractor Parties, as appropriate, must continue to Perform under the Contract until Performance is fully completed.

- 42. <u>Further Assurances</u>. The parties shall provide such information, execute and deliver any instruments and documents and take such other actions as may be necessary or reasonably requested by the other party which are not inconsistent with the provisions of this Contract and which do not involve the vesting of rights or assumption of obligations other than those provided for in the Contract, in order to give full effect to the Contract and to carry out the intent of the Contract.
- 43. Audit and Inspection of Plants, Places of Business and Records.
 - (a) The State and its agents, including, but not limited to, the Connecticut Auditors of Public Accounts, Attorney General and State's Attorney and their respective agents, may, at reasonable hours, inspect and examine all of the parts of the Contractor's and Contractor Parties' plants and places of business which, in any way, are related to, or involved in, the performance of this Contract.

- (b) The Contractor shall maintain, and shall require each of the Contractor Parties to maintain, accurate and complete Records. The Contractor shall make all of its and the Contractor Parties' Records available at all reasonable hours for audit and inspection by the State and its agents.
- (c) The State shall make all requests for any audit or inspection in writing and shall provide the Contractor with at least twenty-four (24) hours' notice prior to the requested audit and inspection date. If the State suspects fraud or other abuse, or in the event of an emergency, the State is not obligated to provide any prior notice.
- (d) The Contractor will pay for all costs and expenses of any audit or inspection which reveals information that, in the sole determination of the State, is sufficient to constitute a breach by the Contractor under this Contract. The Contractor will remit full payment to the State for such audit or inspection no later than 30 days after receiving an invoice from the State. If the State does not receive payment within such time, the State may setoff the amount from any moneys which the State would otherwise be obligated to pay the Contractor in accordance with this Contract's Setoff provision.
- (e) The Contractor shall keep and preserve or cause to be kept and preserved all of its and Contractor Parties' Records until three (3) years after the latter of (i) final payment under this Contract, or (ii) the expiration or earlier termination of this Contract, as the same may be modified for any reason. The State may request an audit or inspection at any time during this period. If any Claim or audit is started before the expiration of this period, the Contractor shall retain or cause to be retained all Records until all Claims or audit findings have been resolved.
- (f) The Contractor shall cooperate fully with the State and its agents in connection with an audit or inspection. Following any audit or inspection, the State may conduct and the Contractor shall cooperate with an exit conference.
- (g) The Contractor shall incorporate this entire Section verbatim into any contract or other agreement that it enters into with any Contractor Party.
- 44. <u>Background Checks</u>. The State may require that the Contractor and Contractor Parties undergo criminal background checks as provided for in the State of Connecticut Department of Emergency Services and Public Protection Administration and Operations Manual or such other State document as governs procedures for background checks. The Contractor and Contractor Parties shall cooperate fully as necessary or reasonably requested with the State and its agents in connection with such background checks.
- 45. <u>Continued Performance</u>. The Contractor and Contractor Parties shall continue to Perform their obligations under the Contract while any dispute concerning the Contract is being resolved.
- 46. Working and Labor Synergies. The Contractor shall be responsible for maintaining a tranquil working relationship between the Contractor work force, the Contractor Parties and their work force, State employees, and any other contractors present at the work site. The Contractor shall quickly resolve all labor disputes which result from the Contractor's or Contractor Parties' presence at the work site, or other action under their control. Labor disputes shall not be deemed to be sufficient cause to allow the Contractor to make any claim for additional compensation for cost, expenses or any other loss or damage, nor shall those disputes be deemed to be sufficient reason to relieve the Contractor from any of its obligations under the Contract.

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47. Contractor Responsibility.

- (a) The Contractor shall be responsible for the entire Performance under the Contract regardless of whether the Contractor itself performs. The Contractor shall be the sole point of contact concerning the management of the Contract, including Performance and payment issues. The Contractor is solely and completely responsible for adherence by the Contractor Parties to all applicable provisions of the Contract.
- (b) The Contractor shall exercise all reasonable care to avoid damage to the State's property or to property being made ready for the State's use, and to all property adjacent to any work site. The Contractor shall promptly report any damage, regardless of cause, to the State.
- 48. <u>Severability</u>. If any term or provision of the Contract or its application to any person, entity or circumstance shall, to any extent, be held to be invalid or unenforceable, the remainder of the Contract or the application of such term or provision shall not be affected as to persons, entities or circumstances other than those as to whom or to which it is held to be invalid or unenforceable. Each remaining term and provision of the Contract shall be valid and enforced to the fullest extent possible by law.
- 49. Confidential Information. The State will afford due regard to the Contractor's request for the protection of proprietary or confidential information which the State receives. However, all materials associated with the Bid and the Contract are subject to the terms of the Connecticut Freedom of Information Act ("FOIA") and all corresponding rules, regulations and interpretations. In making such a request, the Contractor may not merely state generally that the materials are proprietary or confidential in nature and not, therefore, subject to release to third parties. Those particular sentences, paragraphs, pages or sections that the Contractor believes are exempt from disclosure under the FOIA must be specifically identified as such. Convincing explanation and rationale sufficient to justify each exemption consistent with the FOIA must accompany the request. The rationale and explanation must be stated in terms of the prospective harm to the competitive position of the Contractor that would result if the identified material were to be released and the reasons why the materials are legally exempt from release pursuant to the FOIA. To the extent that any other provision or part of the Contract, especially including the Bid, the Records and the specifications, conflicts or is in any way inconsistent with this section, this section controls and shall apply and the conflicting provision or part shall not be given effect. If the Contractor indicates that certain documentation is submitted in confidence, by specifically and clearly marking said documentation as CONFIDENTIAL, DAS will endeavor to keep said information confidential to the extent permitted by law. DAS, however, has no obligation to initiate, prosecute or defend any legal proceeding or to seek a protective order or other similar relief to prevent disclosure of any information that is sought pursuant to a FOIA request. The Contractor shall have the burden of establishing the availability of any FOIA exemption in any proceeding where it is an issue. In no event shall DAS or the State have any liability for the disclosure of any documents or information in its possession which the State or DAS believes are required to be disclosed pursuant to the FOIA or other requirements of law.

50. References to Statutes, Public Acts, Regulations, Codes and Executive Orders.

All references in this Contract to any statute, public act, regulation, code or executive order shall mean such statute, public act, regulation, code or executive order, respectively, as it has been amended, replaced or superseded at any time. Notwithstanding any language in

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this Contract that relates to such statute, public act, regulation, code or executive order, and notwithstanding a lack of a formal amendment to this Contract, this Contract shall always be read and interpreted as if it contained the most current and applicable wording and requirements of such statute, public act, regulation, code or executive order as if their most current language had been used in and requirements incorporated into this Contract at the time of its execution.

51. Cross-Default.

- (a) If the Contractor or Contractor Parties breach, default or in any way fail to Perform satisfactorily under the Contract, then DAS may, in its sole discretion, without more and without any action whatsoever required of the State, treat any such event as a breach, default or failure to perform under any or all other agreements or arrangements ("Other Agreements") that the Contractor or Contractor Parties have with DAS. Accordingly, DAS may then exercise at its sole option any and all of its rights or remedies provided for in the Contract or Other Agreements, either selectively or collectively and without such election being deemed to prejudice any rights or remedies of DAS, as if the Contractor or Contractor Parties had suffered a breach, default or failure to perform under the Other Agreements.
- (b) If the Contractor or Contractor Parties breach, default or in any way fail to Perform satisfactorily under any or all Other Agreements with DAS or the State, then DAS may, in its sole discretion, without more and without any action whatsoever required of the State, treat any such event as a breach, default or failure to Perform under the Contract. Accordingly, the State may then exercise at its sole option any and all of its rights or remedies provided for in the Other Agreements or the Contract, either selectively or collectively and without such election being deemed to prejudice any rights or remedies of DAS or the State, as if the Contractor or Contractor Parties had suffered a breach, default or failure to Perform under the Contract.
- 52. <u>Disclosure of Records</u>. This Contract may be subject to the provisions of section 1-218 of the Connecticut General Statutes. In accordance with this statute, each contract in excess of two million five hundred thousand dollars between a public agency and a person for the performance of a governmental function shall (a) provide that the public agency is entitled to receive a copy of records and files related to the performance of the governmental function, and (b) indicate that such records and files are subject to FOIA and may be disclosed by the public agency pursuant to FOIA. No request to inspect or copy such records or files shall be valid unless the request is made to the public agency in accordance with FOIA. Any complaint by a person who is denied the right to inspect or copy such records or files shall be brought to the Freedom of Information Commission in accordance with the provisions of sections 1-205 and 1-206 of the Connecticut General Statutes.
- 53. <u>Summary of State Ethics Laws</u>. Pursuant to the requirements of section 1-101qq of the Connecticut General Statutes, the summary of State ethics laws developed by the State Ethics Commission pursuant to section 1-81b of the Connecticut General Statutes is incorporated by reference into and made a part of the Contract as if the summary had been fully set forth in the Contract.
- 54. Sovereign Immunity. The parties acknowledge and agree that nothing in the Invitation to Bid or the Contract shall be construed as a modification, compromise or waiver by the State of any rights or defenses of any immunities provided by Federal law or the laws of the State of Connecticut to the State or any of its officers and employees, which they may have had,

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now have or will have with respect to all matters arising out of the Contract. To the extent that this section conflicts with any other section, this section shall govern.

- 55. <u>Time of the Essence</u>. Time is of the essence with respect to all provisions of this Contract that specify a time for performance; provided, however, that this provision shall not be construed to limit or deprive a party of the benefits of any grace or use period allowed in this Contract.
- 56. <u>Certification as Small Contractor or Minority Business Enterprise</u>. This paragraph was intentionally left blank.
- 57. Campaign Contribution Restriction. For all State contracts as defined in Conn. Gen. Stat. § 9-612(g)(1) having a value in a calendar year of \$50,000 or more or a combination or series of such agreements or contracts having a value of \$100,000 or more, the authorized signatory to this Contract expressly acknowledges receipt of the State Elections Enforcement Commission's notice advising state contractors of state campaign contribution and solicitation prohibitions, and will inform its principals of the contents of the notice, as set forth in "Notice to Executive Branch State Contractors and Prospective State Contractors of Campaign Contribution and Solicitation Limitations," attached as Exhibit C.
- 58. Health Insurance Portability and Accountability Act of 1996.

This paragraph was intentionally left blank.

- 59. Protection of Confidential Information.
- (a) Contractor and Contractor Parties, at their own expense, have a duty to and shall protect from a Confidential Information Breach any and all Confidential Information which they come to possess or control, wherever and however stored or maintained, in a commercially reasonable manner in accordance with current industry standards.
- (b) Each Contractor or Contractor Party shall develop, implement and maintain a comprehensive data security program for the protection of Confidential Information. The safeguards contained in such program shall be consistent with and comply with the safeguards for protection of Confidential Information, and information of a similar character, as set forth in all applicable federal and state law and written policy of DAS or State concerning the confidentiality of Confidential Information. Such data-security program shall include, but not be limited to, the following:
 - (1)A security policy for employees related to the storage, access and transportation of data containing Confidential Information;
 - (2)Reasonable restrictions on access to records containing Confidential Information, including access to any locked storage where such records are kept;
 - (3)A process for reviewing policies and security measures at least annually;

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- (4)Creating secure access controls to Confidential Information, including but not limited to passwords; and
- (5)Encrypting of Confidential Information that is stored on laptops, portable devices or being transmitted electronically.
- (c) The Contractor and Contractor Parties shall notify DAS, the Client Agency and the Connecticut Office of the Attorney General as soon as practical, but no later than twentyfour (24) hours, after they become aware of or suspect that any Confidential Information which Contractor or Contractor Parties have come to possess or control has been subject to a Confidential Information Breach. If a Confidential Information Breach has occurred, the Contractor shall, within three (3) business days after the notification, present a credit monitoring and protection plan to the Commissioner of Administrative Services, the Client Agency and the Connecticut Office of the Attorney General, for review and approval. Such credit monitoring or protection plan shall be made available by the Contractor at its own cost and expense to all individuals affected by the Confidential Information Breach. Such credit monitoring or protection plan shall include, but is not limited to reimbursement for the cost of placing and lifting one (1) security freeze per credit file pursuant to Connecticut General Statutes § 36a-701a. Such credit monitoring or protection plans shall be approved by the State in accordance with this Section and shall cover a length of time commensurate with the circumstances of the Confidential Information Breach. The Contractors' costs and expenses for the credit monitoring and protection plan shall not be recoverable from DAS, the Client Agency, any State of Connecticut entity or any affected individuals.
- (d) The Contractor shall incorporate the requirements of this Section in all subcontracts requiring each Contractor Party to safeguard Confidential Information in the same manner as provided for in this Section.
- (e) Nothing in this Section shall supersede in any manner Contractor's or Contractor Party's obligations pursuant to HIPAA or the provisions of this Contract concerning the obligations of the Contractor as a Business Associate of Covered Entity.

60. Antitrust.

Contractor hereby irrevocably assigns to the State of Connecticut all rights, title and interest in and to all Claims associated with this Contract that Contractor now has or may or will have and that arise under the antitrust laws of the United States, 15 USC Section 1, et seq. and the antitrust laws of the State of Connecticut, Connecticut General Statute § 35-24, et seq., including but not limited to any and all Claims for overcharges. This assignment shall become valid and effective immediately upon the accrual of a Claim without any further action or acknowledgment by the parties.

61. <u>Audit Requirements for Recipients of State Financial Assistance.</u> This paragraph was intentionally left blank.

EXHIBIT A

DESCRIPTION OF GOODS & SERVICES AND ADDITIONAL TERMS & CONDITIONS

1. DESCRIPTION OF GOODS AND SERVICES:

- (a) The Contractor will deliver miscellaneous air monitoring equipment (portable and non-portable) replacement parts, accessories, supplies, support equipment to verify, certify and calibrate primary air monitoring equipment and various environmental related equipment and instrumentation, field calibration systems, ambient particulate monitors, environmental analyzers for temperature, humidity, barometric pressure and other environmental safety conditions to Client Agency upon request.
- (b) Contractor will perform general repair services, calibration, certification and maintenance of instrumentation as described in Exhibit B Price Schedule
- (c) Contractor shall remain a manufacturer or authorized dealer of the instrumentation during the term of the Contract and shall provide proof of such status at any time upon Client Agency request.
- (d) Contractor shall furnish Client Agency with copies of price lists or catalogs as requested at no additional cost to Client Agency preferably in automated format.
- (e) Contractor shall apply all applicable American National Standards Institute (ANSI) standards for calibration and testing of related air monitoring field and laboratory equipment.
- (f) Contractor will ensure that all primary monitoring instrumentation and related air monitoring equipment holds current United States Environmental Protection Agency (USEPA) designation and or recommendation. Support instrumentation and equipment will meet (USEPA) guidelines for operation.
- (g) Contractor shall provide a Material Data Sheet ("SDS") upon request by Client Agency for any chemical, toxic or hazardous compounds.
- (h) All Contractor prices are free on board (FOB) Destination, Freight Prepaid and include installation and setup of the instrumentation at no additional charge to client Agency.
- (i) Contractor will guarantee the extended warranties of up to three years past the initial warranty period as described in Exhibit B Price Schedule.
- (j) When applicable Contractor will perform individual -installation of software and or firmware upgrades during the operation life expectancy to enhance operations, correct defects or in the course of repairs/calibrations if needed. Contractor and Client Agency will agree on a schedule to perform these services.
- (k) There will be no minimum ordering requirement throughout the term of the Contract.
- (I) All consumable shipped must be of latest dating to insure longest possible shelf life

EXHIBIT A

DESCRIPTION OF GOODS & SERVICES AND ADDITIONAL TERMS & CONDITIONS

- (m) All packages must be labeled as to the contents and products;
- (n) Contractor must submit (2) complete sets of instruction manuals with each product delivery. If manuals are only available via internet, Contractor must inform Client Agency of the website to access the manuals.
- (o) Contractor will offer training on correct product use and assembly of any instrumentation purchased by Client Agency at no cost to the Client Agency within an acceptable timeframe for Client agency. Training will be conducted upon Client Agency request at a site to be determined by the Client Agency.
- (p) This Contract will allow the Client Agency to obtain additional instrumentation not specifically listed in the Contract only from the Contractor at the discount off list percentage pricing as noted on the Exhibit – Price Schedule.
- (q) Contractor will not have a minimum ordering requirement throughout the term of the Contract.
- (r) Any applicable hazardous handling or HAZMAT charges are the sole responsibility of the Contractor.

2. ADDITIONAL TERMS AND CONDITIONS:

(a) Contract Separately/Additional Savings Opportunities

DAS reserves the right to either seek additional discounts from the Contractor or to contract separately for a single purchase, if in the judgment of DAS, the quantity required is sufficiently large, to enable the State to realize a cost savings, over and above the prices set forth in Exhibit B, whether or not such a savings actually occurs.

(b) P-Card (Purchasing MasterCard Credit Card)

Notwithstanding the provisions of Section 4(b)(2) of the Contract, purchases may be made using the State of Connecticut Purchasing Card (MasterCard) in accordance with Memorandum No. 2011-11 issued by the Office of the State Comptroller.

Contractor shall be equipped to receive orders issued by the Client Agency using the MasterCard. The Contractor shall be responsible for the credit card user-handling fee associated with MasterCard purchases. The Contractor shall charge to the MasterCard only upon acceptance of Goods delivered to the Client Agency or the rendering of Services.

The Contractor shall capture and provide to its merchant bank, Level 3 reporting at the line item level for all orders placed by MasterCard.

EXHIBIT A

DESCRIPTION OF GOODS & SERVICES AND ADDITIONAL TERMS & CONDITIONS

Questions regarding the state of Connecticut MasterCard Program may be directed to Ms. Kerry DiMatteo, Procurement Card Program Administrator at 860-713-5072.

(c) Subcontractors

DAS must approve any and all subcontractors utilized by the Contractor in writing prior to any such subcontractor commencing any work. Contractor acknowledges that any work provided under the Contract to any state entity is work conducted on behalf of the State and that the Commissioner of DAS or his/her designee may communicate directly with any subcontractor as the State deems to be necessary or appropriate. Contractor shall be responsible for all payment or fees charged by the subcontractor(s). A performance evaluation of any subcontractor shall be provided promptly by the Contractor to DAS upon request.

Contractor must provide the majority of services described in the specifications.

(d) Security and/or Property Entrance Policies and Procedures

Contractor shall adhere to established security or property entrance policies and procedures or both for each requesting Client Agency. It is the responsibility of each Contractor to understand and adhere to those policies and procedures prior to any attempt to enter any Client Agency premises for the purpose of carrying out the scope of work described in this Contract.

Contract # 17PSX0210 Delivery: 8-14 weeks after drawing approval STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: 45 days EXHIBIT B- PRICE SCHEDULE Contractor Name: EKTO MFG, Corp ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Discount from price list: see attached 1 **EKTO Manufacturing Corporation:** Std Mobile Equipment Shelters, Transporters and Accessories Price List / Catalog Number: CT Net Price List 2018 Dated: 12/6/2017 Complete Product Line Offered: Yes Standard Manufacturer Warranty information (please see attached page for Standard Warranty information) Extended Warranty for a period of 3 years past initial warranty: Yes (please see attached page for Extend Warranty information) Shipment: 70 Days ARO see attached price list Technical Support #207-324-4427 7:00 a.m. to 5:00 p.m. (5 days a week - 365 days Any Additional Shipping Charges: see attached price list per year) General Repair Service \$80.00/per hr on-site \$55.00/per hr off-site See attached description of services



EKTO MANUFACTURING CORPORATION, SANFORD, ME 04073 USA

SANFORD INDUSTRIAL ESTATES, 83 EAGLE DRIVE, P.O.BOX 449, TEL: 207-324-4427 FAX: 207-324-4667 E-MAIL: info@ekto.com

WEB SITE: www.ekto.com

STATE OF CONNECTICUT - CONTRACT # 17PSX0210

NET PRICE LIST 2018 FOR STD. MOBILE EQUIPMENT SHELTERS, TRANSPORTERS & ACCESSORIES

MODEL	SHELTER S H x W x		R PREWIRED & TEMP. CONTROLLED
844	8' x 4' x	4' \$ 7,785.00	\$ 13,615.00
866	8' x 6' x	6' \$ 10,180.00	\$ 15,175.00
886	8' x 8' x	6' \$ 11,705.00	\$ 17,550.00
888	8' x 8' x	8' \$ 14,135.00	\$ 19,275.00
8810	8' x 8' x	10' \$ 16,495.00	\$ 21,260.00
8812	8' x 8' x	12' \$ 17,885.00	\$ 24,585.00
8814	8' x 8' x	14' \$ 20,990.00	\$ 29,815.00
8816	8' x 8' x	16' \$ 24,070.00	\$ 34,360.00
8818	8' x 8' x	18' \$ 26,970.00	\$ 38,765.00
8820	8' x 8' x	20' \$ 29,960.00	\$ 43,210.00
8822	8' x 8' x	22' \$ 32,525.00	\$ 45,630.00
8824	8' x 8' x	24' \$ 35,010.00	\$ 48,025.00
8826	8' x 8' x	26' \$ 37,205.00	\$ 50,635.00
8828	8' x 8' x	28' \$ 39,235.00	\$ 53,100.00
8830	8' x 8' x	30' \$41,555.00	\$ 55,575.00
Options:	- 9' wide units + 10 % - 11'wide units + 20 %	- 10' wide units + 15 % - 12' wide units + 22 %	(add to bare shelter cost only) (add to bare shelter cost only)
	- 9' tall units + 10 %	- 10' tall units + 15 %	(add to bare shelter cost only)

⁻ Prices for larger units upon request

EKTO MFG. CORP. Sanford, Maine CT NET PRICE LIST 2018 - Page 2

BARE SHELTER CONSTRUCTION INCLUDES:

- Exterior finish: Light tan, baked-on enamel aluminum exterior skins on walls

Clear aluminum skins on floor & roof

Plain aluminum corner angles & corner caps

- Interior finish: Industrial vinyl floor tiles

Light tan, baked-on enamel aluminum walls & ceiling skins

- Shelter shell insulation R11 (2")
- One (1) entrance door 36"W x 80" or 84"H, fully gasketed with cam type lock & hydraulic door closer
- Four lower lift and tie down rings
- Two (2) aluminum floor skids with four (4) tie down shoes
- All exterior and interior seams caulked
- See our specification # 1700-2 for more details

Options:

- Shelter shell insulation R15 (3") in lieu of R11 (2") + 8 % of **bare** shelter cost - Shelter shell insulation R21 (4") in lieu of R11 (2") + 18 % of **bare** shelter cost - Exterior white fiberglass skins in lieu of 1t. tan aluminum & aluminum or galvanized corner trim with stainless steel rivets + 20 % of **bare** shelter cost - Exterior white fiberglass skins, stainless steel trim, rivets and skids + 38 % of **bare** shelter cost - Aluminum tread plate floor in lieu of vinyl or tiles + 6 % of **bare** shelter cost - Non-skid floor tiles in lieu of std. industrial tiles + 4 % of **bare** shelter cost - Seamless vinyl floor covering in lieu of floor tiles + 3 % of **bare** shelter cost - Special exterior color (Kynar) in lieu of light tan alum (walls only) + 7 % of **bare** shelter cost - Acoustical ceiling tiles in lieu of lt. tan alum. skins + 4 % of **bare** shelter cost - Sloped roof + \$395.00

PRE-WIRED AND TEMP. CONTR. SHELTER CONFIGURATION INCLUDES:

- Same shelter construction as bare shelters
- 100A, 240/120V, 1∅, 60Hz, 20 circuit capacity power distribution panel with circuit breakers
- 1 1/2" LB power entrance (bottom or top feed)
- Interior power outlets (15 or 20A, 120V) as outlined in drawing # B-STD-94; Shelters over 16' long have similar spacing
- Interior ceiling lights and switch
- All wiring inside surface mounted Wiremold runs, wired per NEC code.
- Interior shelter temperature controlled by single automatic thermostat and a wall mounted air conditioner & baseboard heat (1500 to 4500W, 240/208V)
- Prices include the following through the wall (residential) type air conditioner:

Model 888 through 8812: 12,000 or 18,000 BTU

Model 8814 through 8816: 18,000 BTU Model 8818 through 8820: 24,000 BTU Model 8822 through 8830: 35,000 BTU

- 4x4 Wireway around ceiling with EMT conduit drops in lieu of Wiremold + 3 % of **prewired** shelter cost

- For industrial type combination air conditioner & heat units with autom. thermostat in lieu of the window unit add the following prices to the above prewired & temp. controlled shelter costs:

12,000 BTU / 3.6 KW heat, 240/208V, 1Ø, 60Hz	+ \$ 1,995.00
18,000 BTU / 5 KW heat, 240/208V, 1Ø, 60Hz	+ \$ 3,010.00
24,000 BTU / 5 KW heat, 240/208V, 1Ø, 60Hz	+ \$ 3,050.00
30,000 BTU / 5 KW heat, 240/208V, 1Ø, 60Hz	+ \$ 3,460.00
36,000 BTU / 5 KW heat, 240/208V, 1Ø, 60Hz	+ \$ 3,690.00

For redundant systems with automatic switch-over (lead/lag) controller multiply a/c cost by two + \$ 1,745.00

All units have high/low pressure & low ambient controls, alarm relays, compressor control module (J option) & 1 year "field" warranty for part / labor. Larger capacities, different voltages or heat pumps priced on request.

TRANSPORTER / TRAILERS FOR SHELTERS

MODEL	CAPACITY	AXLES	TIRES	ELECTRIC
1641-TR2	4,300 lbs	Twin-3500# ea.	6.5 x 13.0	\$ 9,590.00
1641-TR4	6,500 lbs	Triple-3500# ea.	6.5 x 13.0	\$ 11,695.00

- Above trailer costs are for the following shelter sizes: Trailer #1641-TR2 up to 14' shelter length

Trailer #1641-TR4 up to 20' shelter length

DDATEC.

CONSTRUCTION: - Painted steel frame - Ball hitch 2 5/16 - ICC lights

- Electric or hydraulic surge brakes- Spring leaf suspension- Alum. tread plate fenders

SET OF JACKS (4): Large jacks to lift shelter on and off trailer (30" travel) \$ 3,345.00

Small swivel stabilizer jacks, attached to trailer \$1,095.00

OPTIONAL SHELTER EQUIPMENT & ACCESSORIES

EXTERIOR:

- OSHA-type guardrails assembly on roof, 42"H with access ladder to roof, kick plates & non-skid roof paint (full assembly is removable for shipping):

MODEL	UNIT PRICE	MODEL	UNIT PRICE	MODEL	UNIT PRICE
844	\$ 1,210.00	8812	\$ 2,880.00	8822	\$ 4,915.00
866	\$ 1,665.00	8814	\$ 3,190.00	8824	\$ 5,310.00
886	\$ 2,105.00	8816	\$ 3,595.00	8826	\$ 5,535.00
888	\$ 2,295.00	8818	\$ 3,985.00	8828	\$ 5,840.00
8810	\$ 2,585.00	8820	\$ 4,195.00	8830	\$ 6,170.00

- Same as above but aluminum staircase and platform, 36"W instead of access ladder + \$7,605.00

 Safety / anti-climb gate over roof access ladder Roof access ladder only (no guardrail), bolt-on, removable Roof aluminum safety grating, 2"H per ft² 	\$ 246.00 \$ 364.00 \$ 68.00
 Additional door (36W x 80H), std. construction & hardware Dual door; one side with std. hardware, one side cargo leaf w/ barrel bolts, max. 90"W Heavy duty crashbar locking mechanism, stainless steel, in lieu of cam-type Different door size; max. 44"W x 90"H with Qty: 4 strap hinges in lieu of Qty: 3 Piano hinge, full height, st. steel in lieu of Qty: 3 strap hinges Window in door (safety glass), 16" sq. Window, in walls, tempered glass (cannot be opened) - 	\$ 1,335.00 \$ 3,160.00 \$ 1,210.00 \$ 162.00 \$ 470.00 \$ 265.00 \$ 135.00 p/ft ²
 Additional floor skid, 2"W x 3"H (extra floor support), includes Qty: 2 tie-down shoes Top lift rings in addition to bottom rings set of 4 Adjustable leveling tie down pads on each shelter bottom corner 8" x 8" pads, total max. adjustment: 2 1/2" set of 4 Large jack corner pockets only (to use w/ EKTO trailer); incl. holes in skids & reflectors 	\$ 15.00 p/ft. \$ 920.00 \$ 1,254.00 \$ 320.00
 Metal entrance step, removable (shelter floor 12" off ground) - one step Metal entrance step, removable (shelter floor 16" off ground) - two steps Metal entrance step, remov. (shelter deployed on trailer, 30" off ground) - three steps Step swivel mechanism to swing up over door & secure storage while in transport 	\$ 310.00 \$ 660.00 \$ 990.00 \$ 235.00
- Exterior gas bottle mount only with nylon strap, removable - Exterior gas bottle mount with nylon strap & 12"or 16"D alum. gas bottle hood - Exterior gas bottle compartment enclosure, 68"H: 2 bottle mount (attached to shelter) 3 bottle mount 4 bottle mount 6 bottle mount 10 bottle mount Options: - Free-standing bottle compartment w/ alum. back plate - Insulated construction in lieu of clear alum. sheets	\$ 134.00 \$ 274.00 \$ 1,545.00 \$ 1,780.00 \$ 1,925.00 \$ 2,880.00 \$ 3,805.00 + 22 % + 50 %
 - Heated with small heat strip & thermostat, 120V - Air intake or exhaust fan, up to 12", switch or thermostat & alum. hood and bug screen - Air intake or exhaust louver, up to 12" with alum. hood & bug screen - Alum. hood with 1" replacement filter (throw-away) in lieu of bug screen 	\$ 362.00 \$ 465.00 \$ 320.00 \$ 123.00
 - 10 Meter aluminum tower mounted to shelter: Commercial crank-up type, 70 MPH rating; max. pay load 50 lbs. Heavy duty crank-up type, 70 MPH rating; max. pay load 125 lbs. Heavy duty crank up type, 70 MPH, rating with roof track (used with trailers / trucks) - Anti-climb plates over tower sides - Tower mounting kit only; Qty: 2 V-clamps, stainless steel, Unistrut channels & base plate - Signal cable entry beside tower, 2"LB 	\$ 5,175.00 \$ 6,730.00 \$ 12,155.00 \$ 338.00 \$ 314.00 \$ 95.00
 Openings / cut-outs (up to 18" x 18") Opening with removable cover plate, 1/8" alum. (up to 18" x 18") Feed through bulkhead through wall (up to 18" x 18"): Dish-type, inside or outside Removable plate type, 1/8" alum. 	\$ 190.00 \$ 297.00 \$ 230.00 \$ 358.00

INTERIOR:

 Workbench across end wall (approx. 91"W) with beige Formica top: 26" deep 30" deep Workbench, 26"D x 48"W Two-drawer filing cabinet under workbench Base cabinet under workbench; Doors and adj. shelf; 29"H x 24"D Drawers (2 or 3); 29"H x 24"D Overhead cabinet with doors and adj. shelf; 29"H x 12"D Storage shelf, with Formica top, approx. 16"D Fold down desk / shelf, 24"D x 26"W Compressor compartment, under workbench, insulated with small exhaust fan & intake louver and hoods Ambient sampling air intake assembly, installed, includes the following: 	\$ \$ \$ \$ \$ \$	515.00 594.00 398.00 368.00 386.00 p/ft. 470.00 p/ft. 302.00 p/ft. 86.00 p/ft. 314.00 ,288.00
- Teflon lined galvanized steel intake mast with Teflon coated intake hood - 6 port ACE glass manifold with exhaust blower - 6 port air exhaust manifold, screened - Hole in roof and floor at required location - Horizontal configuration including collection bottle Add	\$ 3 \$	3,640.00 785.00
 Equipment rack, 19", mounted in shelter, floor to ceiling (UNISTRUT-type): Single full rack, 22"D to 32"D (28"D standard) Single half rack, with counter top, approx. 36"H Prewired, vertical outlet strip (12 outlets, 20A, 120V) with separate circuit breaker Shock mounts (top & bottom) – used with mobile set-ups (trailer / truck) 	\$ 1	,550.00 ,285.00 478.00 984.00
 Interior vestibule with light Partition only (approx. 91"W) Partition (approx. 91"W) with door, 36"W x 80"H 	\$ 1	2,363.00 ,176.00 2,075.00
 UNISTRUT mounting channel, installed PANDUIT run, 3" x 3" with cover, installed Mounting plate approx. 24" x 36" (.090 clear alum.) with Qty: 4 bolt inserts (Molly-Nuts) Special steel floor support "hats" with taped inserts for heavy equipment mounting Gas bottle support with Nylon strap & alum. tread plate floor plate Special BAM (or similar) feed through plate with flange 	\$ \$ \$ \$	15.00 p/ft. 25.00 p/ft. 224.00 182.00 151.00 240.00
ELECTRICAL:		
 100A power plug (male & female), 240/120V, 1Ø in lieu of 1 1/2"LB 200A meter box with manual bypass (bottom feed), 240/120V in lieu of 1 1/2"LB Power mast (100A, 240/120V, 1Ø), 2"steel conduit with 2"LB in lieu of 1 1/2"LB Exterior light, incandescent on shelter wall above or beside door & interior switch Exterior light, incandescent on pole for roof and door service & interior switch Exterior light, HPS (high pressure sodium) with photocell Photocell for exterior light Exterior outlet with ground fault protection breaker Dual telephone jack with exterior J-box Ceiling wire drops, approx. 8' LG, 208V or 120V (as required) 	\$,574.00 526.00 179.00 375.00 437.00 459.00 84.00 353.00 207.00 108.00

- Voltage regulator / power conditioner:	2 KVA, 120V, $1\emptyset$; installed	\$ 3,315.00
	3 KVA, 120V, 1∅; installed	\$ 4,035.00
	5 KVA, 120V, 1∅; installed	\$ 7,065.00

- UPS with by-pass switch: 3 kVA to 11 kVA, 240V or 120V, capacity to suit
- UPS (critical) power distribution panel with associated breakers; 120V, 1Ø, 12 circ. cap. \$ 565.00
- Power panels (GE) other than 240/120V, 1Ø, 20 circuits & breakers add to the shelter cost:

$1\emptyset$, $125A - 24$ circuits	+\$	493.00
1∅, 150A - 24 circuits	+ \$	582.00
1∅, 200A - 40 circuits	+\$	851.00
3∅, 100A - 18 circuits	+\$	364.00
3Ø, 125A - 30 circuits	+ \$ 1,	187.00
3Ø, 150A - 30 circuits	+ \$ 1,	208.00
3Ø, 200A - 24 circuits	+ \$ 1,	646.00
3∅, 200A - 30 circuits	+ \$ 1,	725.00
3∅, 200A - 42 circuits	+ \$ 2,	038.00

Other panels (brands, sizes) available upon request

- Transformer (NEMA 3R) exterior mounting with platform support and drip shield; 480V primary, 208/120V secondary:

- Exterior manual disconnect switch (NEMA 3R) 600/480V, 2 or 3 pole with fuses

upon request

PHASE	TRANSFORMER	PRICE	DISC. RATING	PRICE
1 Ø	15.0 KVA	\$ 2,070.00	40A	\$ 605.00
$1 \varnothing$	25.0 KVA	\$ 2,705.00	50A	\$ 640.00
$1 \varnothing$	30.0 KVA	\$ 3,205.00	70A	\$ 995.00
1 Ø	50.0 KVA	\$ 3,870.00	125A	\$ 1,120.00
3 Ø	15.0 KVA	\$ 2,040.00	30A	\$ 605.00
$3 \varnothing$	30.0 KVA	\$ 2,570.00	60A	\$ 640.00
$3 \varnothing$	45.0 KVA	\$ 3,070.00	80A	\$ 995.00
$3 \varnothing$	75.0 KVA	\$ 4,320.00	100A	\$ 1,025.00

SAFETY ITEMS:

- Fire extinguisher, ABC, wall mounted	5 lbs.	\$	157.00
	10 lbs.	\$	258.00
- Smoke & heat detector with alarm & form "C" contacts for	r remote hook-up	\$	405.00
- Oxygen detector, 12-24V & AC power adapter, 120V (ISO	C Priority One)	\$ 2	2,280.00
- Carbon monoxide detector, 12-24V & AC power adapter,	120V (ISC Priority One)	\$ 2	2,280.00
- Low power audio / visual alarm (strobe) for gas detectors, mounted on shelter outside		\$	678.00
NOTE: Other gas detectors / systems are available. Pricing	g upon request.		
- Intrusion alarm w/ battery back-up, key pad, horn & strobe	e light	\$ 1	1,950.00
- 100A, 240/208V shunt main breaker and thermostat (attic	– high temp)	\$	616.00
- Lightning surge arrestor (Delta 300 Series or equal):	250V, 3Ø	\$	218.00
	250V 1Ø	\$	157.00

- Emergency escape hatch kick-out panel (36" x 36")	\$ 868.00
- Emergency light with or without EXIT sign, dual head, with battery back-up	\$ 358.00
- EXIT sign only, 120V with battery back-up, 120V	\$ 220.00

Other accessories and features are available and priced upon request.

<u>Certification:</u> We can supply structural drawings and calculations for the basic shelter structure, certified and stamped by a P.E. licensed in the State of Connecticut. If "stickers" are required and have to be placed on the shelter by a third party inspection agency or the "pre-fabricated building design" has to be approved by the state of CT, we may not be able to supply it.

Cost for P.E. calcs & stamped construction drawing only

Up to Model 8824 \$ 2,580.00

Model 8826 and above \$ 2,955.00

Warranty: EKTO Mfg. Corp. warranties the shelter and all the components we supplied including the air conditioner unit (supported by the A/C manufacturer) for 1 year (12 month) parts and labor. This warranty normally goes into effect the day the shelter ships from our factory.

Extended Warranty: An extended 3 year warranty past the initial warranty of 1 year (12 months) – 4 years total - from *day of shipment* is available for a fee of 10 % of total P.O. amount (excluding shipping costs & PE calcs).

General Repair Service: \$ 80.00 p/hr on-site

Discount: All prices are NET good through 2018. Additional quantity discounts apply as follows:

Qty: 1-4 units per order NONE Qty: 5-9 units per order 3%Qty: 10 + units per order 5%

Prices: F.O.B. Sanford, Maine – **F.O.B. Destination** see *Shipping* below for details.

Delivery: Approx. 8-14 weeks **after final drawing approval** depending on work load at time of order. *Shipping:* Depending on the Model ordered and destination, estimates are as follows, full load – step-deck:

Hartford, CT	Legal (102" max.)	\$ 1,000.00
	Wide (123" max.)	\$ 1,600.00
	Extra Wide (143" max.)	\$ 1,750.00
Stanford, CT	Legal (102" max.)	\$ 1,350.00
	Wide (123" max.)	\$ 2,100.00
	Extra Wide (143" max.)	\$ 2,300.00

Notes: Truck loads that are wider than 11'-11" including anything "sticking out" on the side walls will require 1 or 2 escort vehicles that will substantially increase shipping. Pricing T.B.D. We would be happy to quote actual costs based on final destination at time of order.

Unloading at site by forklift with extended forks or crane and **set-up** including electrical hook-up **is not** included.

Contract #17PSX0210 Delivery: Please see below STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: Environics Inc ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES MANUFACTURER Price List / Catalog Number - All items in price list Dated: 1/1/2017 See attached price list for Environics Inc products Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Technical Support #860-872-1111 www.environics.com 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 20-40 Days A.R.O. General Repair Service \$175.00/per hr on-site

Environics[®]



Effective: 1 January 2017

ENVIRONICS® BRAND SERIES 6100 COMPUTERIZED MULTI-GAS CALIBRATOR

Base Price-Standard Unit:

The standard unit will dilute span gas, generate ozone and perform rapid gas phase titration of NO with O_3 to produce NO_2 and includes at no extra cost:

\$9,995.00

- (1) dilution mass flow controller and
- (1) span gas mass flow controller
- Portable configuration
- All teflon tubing
- (1) dilution gas Inlet port
- (4) span gas inlet ports
- Ozone Generation Module, reaction chamber and electronics for ozone calibration and gas phase titration.
- RS-232 Serial Data Interface (Terminal/Printer Computer/Modem)
- I/O control (8 inputs / 8 outputs) programmable through software

Options Available:

•	Additional span gas mass flow controller:	2,980.00
	(Mass flow controller, solenoids, control electronics & tubing)	
•	USB to serial adapter	40.00
•	Extra Gas Inlet Port (maximum of (5), total)	350.00
•	Rack Mount Case with Slides	305.00
•	Hard Transport Case (only available with portable configuration)	750.00
•	Permeation Oven	3,575.00
•	Canvas Padded Carrying Case for Portable Chassis	300.00
•	Inline Teflon Filter Holder with one membrane (Part # FB001)	213.00
•	Replacement 5-6 micron membrane (Part # FB002)	5.00

Environics®



Effective: 1 January 2017

ENVIRONICS® BRAND SERIES 6103 OZONE TRANSFER STANDARD AND MULTI-GAS CALIBRATOR

Base Price-Standard Unit:

The standard unit will dilute span gas, generate ozone and perform rapid gas phase titration of NO with O₃ to produce NO₂ and includes at no extra cost:

\$11,890.00

- (1) dilution mass flow controller and
- (1) span gas mass flow controller
- Portable configuration
- · All teflon tubing
- (1) dilution gas inlet port
- (4) span gas inlet ports
- Ozone Generation Module, reaction chamber and electronics for ozone calibration and gas phase titration.
- RS-232 Serial Data Interface (Terminal/Printer Computer/Modem)
- I/O control (8 inputs / 8 outputs) programmable through software
- Photometer

Options Available:

•	Additional span gas mass flow controller: (Requires 23" Chassis) (Mass flow controller, solenoids, control electronics & tubing)	3,575.00
•	USB to serial adapter	40.00
•	Rack Mount Case with Slides	305.00
•	Hard Transport Case (only available with (2) MFC portable configuration)	750.00
•	Canvas Padded Carrying Case for 18" Portable Chassis	300.00
•	Permeation oven (calibrated at one temperature) (Requires 23" Chassis)	3,575.00
	 Additional temperature settings, each 	250.00
•	Inline Teflon Filter Holder with one membrane (Part # FB001)	213.00
•	Replacement 5-6 micron membrane (Part # FB002)	5.00

Environics®



Effective: 1 January 2017

ENVIRONICS® BRAND SERIES 7000 ZERO AIR GENERATOR

Base Price-Standard Unit:

The standard unit is capable of continuous delivery of up to 20 standard liters per minute (SLPM), 30 pounds per square inch (PSI) of dry, contaminant-free air and includes at no extra cost:

\$5,425.00

- State-of-the-art PSA molecular sieve
- Oil-less piston pump
- Scrubbers to remove SO2, NO, NO2, O3 and H2S
- Automatically turns on and off based on demand
- Set output pressure through a regulator on front panel
- Dual stage output pressure regulation
- Visual dew point indicator
- Output pressure gauge on front panel

Options Available:

•	THC and CO catalytic converter with adjustable 300°C to 550°C (110V)	\$1,350.00
	300° C to 482°C (240V) temperature controller & front panel display	
•	Rack mount	\$ 305.00

Contract No: 17PSX0210 Delivery: 30 Days ARO STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: MAGEE Scientific ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES 1 MANUFACTURER: Price List / Catalog Number: see attached list Dated: 11/29/2017 MAGEE Scientific: Aethalometer Instruments and Service Complete Product Line Offered: Yes Standard Manufacturer Warranty (1) year Technical Support #510-845-2801 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Annual Maintenance: see attached description of services. Shipping method: FedEx/UPS Shipping: Prepaid and Added: or Freight collect on receipents account Delivery: Shipment date will be given at the time of the request for the product is received and confirmed Warranty: All instruments are unconditionally warrantied for a period of one full year from the date of receipt.

Contract No: 17PSX0210 Delivery: 30 Days ARO STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: MAGEE Scientific ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES \$25,000 each AE33 Aethalometer, DualSport, 7-wavelength analysis @1Hz (Instrument package includes: Model AE33, one roll filter tape, one catridge filter, static dissipative sample tubing (3 m), insect and water trap, flow and leak-test calibration pad, operating and service manual and quick start guide). Accessories: 4110 PM2 5 infet, sharp-cut cyclone SCC-1 829 (2.5 um @ 5 LPM) \$1,100 each \$1,100 each 4114 PM1 inlet, sharp-cut cyclone SCC-1. 197 (1 um @ 5 LPM, 2.5 um @ 2 LPM) \$2,000 each 4121 Mini PM Inlet configurable for PM1, PM2.5, PM4, PM10, TSP \$1.625 each 5510 Ambient meteorological sensor (P, T, RH) with 10-m cable \$6,250 each 5610 Sample Stream dryer (specifiy pump voltage) 5650 Pump for Sample stream Dryer, 110 VAC/60 Hz included 5652 Pump for Sample Stream Dryer, 230 VAC/50Hz included 5710 \$3,900 each 5710 CO2 sensor integrated with AE33 airflow & data acquisiton, Vaisala GMP343 \$1,600 each 7662 Neutral Density Optical Filter validation Kit \$1.350 each 7900 Flow calibrator with cable for automatic interface to AE33, TSI Model 4140 \$3.160 each 7950 Flow calibrator, BGI Tetracal 9610 Shockproof & waterproof transit case for field use, Pelician 1630 \$500 each Consumable Supplies: 8060 \$200 each Filter Tape Roll, 10 m. typ. 4-6/year in continous ambient use \$25 each 8072 Catridge filter (internal): 1/year

Shipping method: FedEx/UPS

Shipping: Prepaid and Added: or Freight collect on receipents account

Delivery: Shipment date will be given at the time of the request for the product is received and confirmed

Warranty: All instruments are unconditionally warrantied for a period of one full year from the date of receipt.

Contract No: 17PSX0210 Delivery: 30 Days ARO STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: MAGEE Scientific ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES \$1,000 each **Annual Maintenance service to include:** AE33 RPMS Clean optics, calibrate flows, perform leakage tests, perform ND optical validation tests, perform stability tests, perform clean air tests, replace internaal cartridge filters, install new filter tape roll, run 48 hours Replacement Parts, Components, Sub-Assemblies \$250.00 each 4086 Flow Sensor Recommended Accessories offered at time of services: \$1,680 each 7662 Neutral Density Optical Filter validation kit \$3,160 each 7900 BGI Tetracal flow calibrator Shipping method: FedEx/UPS Shipping: Prepaid and Added: or Freight collect on receipents account Delivery: Shipment date will be given at the time of the request for the product is received and confirmed Warranty: All instruments are unconditionally warrantied for a period of one full year from the date of receipt.

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract #17PSX0210						
Delivery: Please see below						
Terms:	Net 45 Days					
Contractor Name: Wilbur Technical Services, LLC						

ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC Aeroqual Price List / Catalog Number - All items in price list Dated: 2017 See attached price list for Aeroqual Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site



Dust & Particulate Monitors

Distributor Price List in US Dollars from 1 Jan 2018

Code	ode Product Description		USD
		NEPHELOMETER-BASED PARTICLE MONITORS	
Dust Sentry	Dust Sentry Base System	Dust Sentry Base System including:	\$ 7,500.00
		• Range 0-2000 μg/m³	
		Forward light scattering Nephelometer	
		TSP inlet and heated sampling tube	
		Brushless DC pump sampling module	
		Weatherproof lockable IP65 enclosure with integrated aluminium solar shields	
		• 100-250V AC power supply and 12V DC input	
		Communications: Ethernet, WIFI	
		• Embedded PC (Intel Atom, 1.6GHz, dual core, 2GB RAM, 32GB SSD hard drive)	
		Aeroqual Connect software interface (configuration, diagnostics, and data acquisition)	
		Aeroqual Support software (for remote diagnostics and instrument support)	
		Pole and wall mount brackets	
		Documentation (Hard Copy: User Guide, Calibration Certificate; Soft Copy on USB stick)	
		Manufacturer's Standard 12 month Warranty	
		Unlimited access to Aeroqual's Online Training System	
		OPTIONAL SHARP CUT CYCLONES (FOR USE WITH DUST SENTRY)	
DS SC10	PM10 Cyclone	Sharp cut cyclone PM1 (less than or equal to 1.0 microns)	\$ 450.00
DS SC25	PM2.5 Cyclone	Sharp cut cyclone PM2.5 (less than or equal to 2.5 microns)	\$ 720.00
DS SC1	PM1 Cyclone	Sharp cut cyclone PM10 (less than or equal to 10 microns)	\$ 1,995.00
		OPTICAL COUNTER-BASED PARTICLE MONITORS	
Dust Profiler	Dust Profiler Base System	Dust Profiler Base System including:	\$ 8,600.00
		• Counts Range: 0-100000 counts/L converted to PM1, PM2.5, PM10 and TSP in μg/m3	
		8-channel Optical Particle Counter (OPC)	
		Inlet and heated sampling tube	
		Brushless DC pump sampling module	
		Weatherproof lockable IP65 enclosure with integrated aluminium solar shields	
		• 100-250V AC power supply and 12V DC input	
		Communications: Ethernet, WIFI	
		• Embedded PC (Intel Atom, 1.6GHz, dual core, 2GB RAM, 32GB SSD hard drive)	
		Aeroqual Connect software interface (configuration, diagnostics, and data acquisition)	
		Aeroqual Support software (for remote diagnostics and instrument support)	
		Pole and wall mount brackets	
		Documentation (Hard Copy: User Guide, Calibration Certificate; Soft Copy on USB stick)	
		Manufacturer's Standard 12 month Warranty	
		Unlimited access to Aeroqual's Online Training System	

		FACTORY TESTED AND INTEGRATED ENVIRONMENTAL SENSORS		
DS AUX01	Auxiliary Module	Interface between designated third party sensors and embedded PC	\$	365.00
DS R47	47mm Sample Filter	47mm filter assembly for particle loading analysis (incl. 2 filter membranes)	\$	270.00
DS R28	Novalynx Pyranometer	Novalynx silicon pyranometer for measuring solar radiation (incl. DS AUX)	\$	2,080.00
DS R51	Cirrus Noise Sensor	Cirrus Class 1 outdoor noise sensor with automatic calibration (incl. DS AUX)	\$	5,995.00
DS R52	Met One MSO	Met One MSO multi-sensor: wind speed, wind direction, barometric pressure, air temperature, relative humidity (incl. DS AUX)	\$	2,650.00
DS R1	Gill WindSonic Sensor	Gill WindSonic ultrasonic wind speed & direction sensor (incl. AQM AUX)	\$	2,300.00
DS R25	Vaisala Weather Transmitter	Vaisala multi-sensor with integrated heater, mounting kit and bird spike: wind speed, wind direction, precipitation, barometric pressure, air temp., relative humidity (incl. AQM AUX)	\$	5,990.00
		FACTORY TESTED AND INTEGRATED COMMUNICATIONS		
DS R38	Cellular IP Modem	Compact five-band GSM/GPRS/EDGE/UMTS/HSPA/3G IP gateway pre-configured for remote Connect/Cloud access (excl. SIM)	\$	695.00
DS OUT	4-20mA and Relay Output	Output module for 4-20mA (4-channel) and relay (2-channel)	\$	745.00
DS ALERTS	Email / SMS Alerts	Unlimited email alerts and up to 50 SMS/text alerts per month (fee per year)	\$	150.00
DS EXPORT	Auto Data Export	Auto export data to email and FTP server (fee per year)	\$	150.00
		CONSUMABLES, PARTS AND TOOLS	•	
DS R7	Tripod	Rugged aluminium tripod height 1.8m extendable to 3m; 1-inch pole mount	\$	600.00
DS R8	Flowmeter	Flowmeter (0.2-2.5L/min) single rotameter for checking PM flow rate	\$	290.00
DS R10	Sampling Pump	Sampling pump for Dust Sentry or Dust Profiler	\$	585.00
DS R20	Dust Monitor Service Kit	Service kit includes: carry case, flowmeter, leak gauge, zero filter and flow assembly, Tygon tube, flow adjusters, luer fittings, inlet O-rings	\$	590.00
DS R23	Leak gauge	Vacuum gauge for leak test	\$	110.00
DS R30	47mm Filters	Filter membranes 47mm PTFE 5um for 47mm Sample Filter (25 pcs)	\$	210.00
DS R31	PM Filters	Filter set (2 pcs: 1 for inlet, 1 for purge) for Dust Sentry	\$	70.00
DS R32	PP Filters	Filter set (2 pcs: 1 for inlet, 1 for purge) for Dust Profiler	\$	70.00
DS R34	Purge Pump	Purge pump for Dust Sentry	\$	45.00
DS R56	Zero Filter & Flow Assembly	Zero filter and flow assembly to carry out manual zero and flow check	\$	95.00
AIC O-RING04	PM Inlet O-Ring	O-ring for PM base inlet (10 pack)	\$	5.00
CS TUBE10	Tygon Tube	Tygon exhaust and PM and Profiler tubing (per metre)	\$	15.00
		REPLACEMENT PARTICLE MONITOR MODULES		
AIC PM80180	PM Optical Module	Replacement particle monitor optical module only for Dust Sentry	\$	3,150.00
AIC PF9722-1	Profiler Optical Module	Replacement particle profiler optical module only for Dust Profiler	\$	3,400.00
		AEROQUAL SOFTWARE PACKAGES	•	
AQM SUPPORT	Support Software License	Support includes: table view; calibration; maintenance; diagnostics; map view; journal; and 1-month view historical data (for remote diagnostics and instrument support)		FREE
AQM BASIC	Basic Software License	Basic includes Support features plus: Basic charts; CSV data download; SMS/Email alerts; FTP/data export; Cloud API; and 12-month view historical data (annual license per instrument)	\$	600.00
AQM PLUS	Plus Software License	Plus includes Basic features plus: Advanced charts; network view; wind roses; pollution roses; and unlimited historical data view (annual license per instrument)	\$	1,000.00
		SERVICES*		
DS EXS_ACT	External Sensor Activation*	Activation of external sensor data in Aeroqual Connect and Cloud (per sensor per DM)	\$	150.00
CAL R4	Factory Calibration*	Factory calibration for nephelometer in Dust Sentry (recommended every 2 years)	\$	375.00
CAL R5	Factory Calibration*	Factory calibration for particle counter in Dust Profiler (recommended every 1 year)	\$	375.00
TECH SUPP	Advanced Technical Support*	Advanced technical support (per hour)	\$	120.00
TRAINING	On Site Training*	In person training on site by an expert Aeroqual technician (per day, excl. expenses)	\$	800.00
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AQM 65 Air Quality Station

Distributor Price List in US Dollars from 1 Nov 2016

Code	Product	Description	USD
		AQM 65 SYSTEM	
AQM 65	AQM 65 System	AQM 65 System includes:	\$ 11,990.00
		Lockable IP65 enclosure with insulated aluminium construction	
		Gas Sampling System (brushless DC pump, sampling system)	
		Thermal Management System: Danfoss compressor, heater and system manager	
		Gas Inlet: Teflon, glass-coated stainless steel tubing, stainless steel fittings	
		Embedded PC (Intel Atom, 1.6GHz, dual core, 2GB RAM, 32GB SSD hard drive)	
		Communications: Ethernet, WIFI	
		Aeroqual Connect software interface (configuration, diagnostics, and data acquisition)	
		Aeroqual Support software (for remote diagnostics and instrument support)	
		• Power Module (90-264 VAC, 47-63Hz)	
		External Temperature & Humidity Sensor (-40 to 120° C; 0-100% RH)	
		Pole and wall mount brackets	
		Documentation (Hard Copy: User Guide, Log Book; Soft Copy on USB stick)	
		Manufacturer's Standard 12 month Warranty	
		Unlimited access to Aeroqual's Online Training System	
		AQM 65 GAS MODULES	
AQM LZ	O3 Gas Module	Ozone (0-0.5 ppm O3) GSS gas module with integrated zero cycle	\$ 2,150.00
AQM NW	NO2 Gas Module	Nitrogen Dioxide (0-0.2 ppm NO2) GSS gas module with integrated zero cycle	\$ 2,150.00
AQM NX	NOx Gas Module	Nitrogen Oxides (0-0.5 ppm NOx) GSS gas module with integrated zero cycle	\$ 2,150.00
AQM PDL	VOC Gas Module	Volatile Organic Compounds (0-20 ppm VOC) PID gas module	\$ 2,150.00
AQM SOL	SO2 Gas Module	Sulphur Dioxide (0-10 ppm SO2) GSE gas module with integrated zero cycle	\$ 1,990.00
AQM HSL	H2S Gas Module	Hydrogen Sulphide (0-10 ppm H2S) GSE gas module with integrated zero cycle	\$ 1,990.00
AQM ECM	CO Gas Module	Carbon Monoxide (0-25 ppm CO) GSE gas module	\$ 1,990.00
AQM CD	CO2 Gas Module	Carbon Dioxide (0-2000 ppm) NDIR gas module	\$ 1,550.00
		AQM 65 INTEGRATED PARTICLE MONITORS AND SHARP CUTS	
AQM PMT	TSP Particle Monitor	Forward light scatter particle monitor for TSP only, incl. heated inlet	\$ 5,300.00
AQM PM10	PM10 Particle Monitor	Forward light scatter particle monitor, incl. heated inlet and PM10 sharp cut	\$ 5,750.00
AQM PM2.5	PM2.5 Particle Monitor	Forward light scatter particle monitor, incl. heated inlet and PM2.5 sharp cut	\$ 6,020.00
AQM PP8	Particle Profiler	Laser particle counter 8 digital channels with instant output to PM10, PM2.5, PM1, TSP	\$ 6,600.00
AIC PM01CYL	PM1 Cyclone	Sharp cut cyclone PM1 (less than or equal to 1.0 microns)	\$ 1,995.00
AIC PM2.5CYL	PM2.5 Cyclone	Sharp cut cyclone PM2.5 (less than or equal to 2.5 microns)	\$ 720.00
AIC PM10CYL	PM10 Cyclone	Sharp cut cyclone PM10 (less than or equal to 10 microns)	\$ 450.00
		AQM 65 FACTORY TESTED AND INTEGRATED ENVIRONMENTAL SENSORS	
AQM AUX	Auxiliary Module	Interface between third party sensors and AQM	\$ 365.00
AQM R1	Gill WindSonic Sensor	Gill WindSonic ultrasonic wind speed & direction sensor (incl. AQM AUX)	\$ 2,300.00
AQM R25	Vaisala Weather Transmitter	Vaisala multi-sensor with integrated heater, mounting kit and bird spike: wind speed, wind direction, precipitation, barometric pressure, air temp., relative humidity (incl. AQM AUX)	\$ 5,990.00
AQM R28	Novalynx Pyranometer	Novalynx silicon pyranometer for measuring solar radiation (incl. AQM AUX)	\$ 2,080.00
AQM R51	Cirrus Noise Meter	Cirrus Class 1 outdoor noise sensor with automatic calibration (incl. AQM AUX)	\$ 5,995.00
AQM R52	Met One MSO	Met One MSO multi-sensor: wind speed, wind direction, barometric pressure, air temperature, relative humidity (incl. AQM AUX)	\$ 2,650.00
		AQM 65 FACTORY TESTED AND INTEGRATED COMMUNICATIONS	
AQM R38	Cellular IP Modem	Compact five-band GSM/GPRS/EDGE/UMTS/HSPA IP gateway pre-configured for remote Connect/Cloud access (excl. SIM)	\$ 695.00

		AQM 65 CALIBRATION SYSTEMS		
AQM R82 MOD	AIRCAL 8000 Integrated Calibrator Module	Integrated 2-channel module includes traceable multi-point mass flowmeter and mass flow controller and zero air source (excl. regulators, enclosure, gas cylinders)	\$	4,995.00
AQM R82	AIRCAL 8000 Integrated Calibrator System	Integrated 2-channel system includes traceable multi-point mass flowmeter and mass flow controller, zero air source, regulators and enclosure (excl. gas cylinders)	\$	5,995.00
AQM R101	AIRCAL 1000 Portable Calibrator	Portable 2-channel calibrator includes integrated gas diluter and zero air source with traceable mass flow controller and mass flow meter (excl. gas cylinders and regulator)	\$	9,250.00
AIC GASREG01	AIRCAL 1000 Gas Regulator	Gas regulator for AIRCAL 1000. Inlet: CGA C10: 5/8"-18; Outlet: 1/8 Swagelok compression	\$	830.00
AQM O3CAL	Ozone Calibrator	Portable ozone generator and calibrator for calibration of the AQM 65 ozone gas module	\$	6,000.00
		AQM 65 SPARES & CONSUMABLES		
AQM TMPRH	External Temp / RH Sensor	External Temp / RH Sensor	\$	175.00
AQM R10	PM / Gas Sampling Pump	Sampling pump for particle monitor / gas sampling system	\$	595.00
AQM R11C	Zero Air Scrubber	Zero air scrubber for AIRCAL 8000 on AQM 65	\$	275.00
AQM R111	Zero Air Scrubber	Zero air scrubber for AIRCAL 1000	\$	265.00
AQM R12	Inlet Filters	Standard PTFE inlet filters 5 microns (25 pcs)	\$	220.00
AQM R30	47 mm Filters	Filter membranes 47 mm PTFE 5 microns (25 pcs)	\$	210.00
AQM R31	PM Filters	Filter set (2 pcs: 1 for inlet, 1 for purge) for particle monitor	\$	70.00
AQM R32	PP Filters	Filter set (2 pcs: 1 for inlet, 1 for purge) for 8-channel particle profiler	\$	70.00
AQM R34	PM Purge Pump	Purge pump for particle monitor	\$	45.00
AQM R40	Luer Fittings	Selection of luer fittings	\$	90.00
AIC O-RING04	PM Inlet O-Ring	O-ring for PM base inlet (10 pack)	\$	5.00
CS TUBE10	Tygon Tube	Tygon exhaust and PM and profiler tubing (per metre)	\$	15.00
CS TUBE11	Teflon Tube	Teflon sample tubing (per metre)	\$	15.00
	1	AQM 65 SUPPORT TOOLS		
AQM R7	Hi-Spec Flowmeter Kit	Flowmeter kit includes: TSI Flowmeter 4140 (0.01-20L/min), battery pack, filter, luer fittings - for use with AQM 65 Gas/PM modules and Dust Monitors	\$	1,295.00
AQM R20	AQM 65 Service Kit	Service pack includes: carry case, Teflon and Tygon tube, tube cutter, screw driver, leak gauge, zero filter and flow assembly, calibration accessories, luer fittings, spare cables	\$	995.00
AQM R23	Leak gauge	Vacuum gauge for leak test	\$	110.00
AQM R41	Calibration Humidifier	Calibration gas humidifier kit incl. nafion tube	\$	195.00
AQM R42	Spare Cables	Power and communications cables (3 x power, 3 x RJ45)	\$	25.00
AQM R43	Calibration Accessories	Tube, fittings and accessories for calibration with third party calibrators or direct method	\$	185.00
AQM R47	47 mm Inlet Assembly	External filter for added protection to the inlet sampling system (incl. 2 filter membranes)	\$	270.00
AQM R56	Zero Filter & Flow Assembly	Zero filter and flow assembly to carry out manual zero and flow check	\$	95.00
AIC TUBE_CUT	Tube Cutter	Tube cutter for clean cutting tube especially Teflon	\$	55.00
		AQM 65 REPLACEMENT GAS MODULES		
AQM LZ/R	O3 Gas Module	Ozone (0-0.5 ppm O3) GSS gas module with integrated zero cycle	\$	1,505.00
AQM NW/R	NO2 Gas Module	Nitrogen Dioxide (0-0.2 ppm NO2) GSS gas module with integrated zero cycle	\$	1,505.00
AQM NX/R	NOx Gas Module	Nitrogen Oxides (0-0.5 ppm NOx) GSS gas module with integrated zero cycle	\$	1,505.00
AQM PDL/R	VOC Gas Module	Volatile Organic Compounds (0-20 ppm VOC) PID gas module	\$	1,505.00
AQM SOL/R	SO2 Gas Module	Sulphur Dioxide (0-10 ppm SO2) GSE gas module with integrated zero cycle	\$	1,393.00
AQM HSL/R	H2S Gas Module	Hydrogen Sulphide (0-10 ppm H2S) GSE gas module with integrated zero cycle	\$	1,393.00
AQM ECM/R	CO Gas Module	Carbon Monoxide (0-25 ppm CO) GSE gas module	\$	1,393.00
AQM CD/R	CO2 Gas Module	Carbon Dioxide (0-2000 ppm) NDIR gas module	\$	1,085.00
	1	AQM 65 REPLACEMENT PARTICLE MONITOR MODULES		
AIC PM80180	PM Optical Module	Replacement particle monitor optical module only for AQM PMT, PM10, PM2.5	\$	3,150.00
AIC PF9722-1	Profiler Optical Module	Replacement particle profiler optical module only for AQM PP8	\$	3,400.00
	1	AEROQUAL SOFTWARE PACKAGES	ı	
AQM SUPPORT	Support Software License	SUPPORT includes: table view; calibration; maintenance; diagnostics; map view; journal; Cloud API; and 1-month view historical data (for remote diagnostics and instrument support)		FREE
AQM BASIC	Basic Software License	BASIC includes Support features plus: Basic charts; CSV data download; SMS/Email alerts; FTP/data export; Cloud API; and 12-month view historical data (annual license per instrument)	\$	600.00
AQM PLUS	Plus Software License	PLUS includes Basic features plus: Advanced charts; network view; wind roses; pollution roses; Cloud API; and unlimited historical data view (annual license per instrument)	\$	1,000.00
		SERVICES*		
AQM EXS_ACT	External Sensor Activation*	Activation of external sensor data in Aeroqual Connect and Cloud (per sensor per AQM)	\$	150.00
CAL R4	Factory Calibration PM*	Factory calibration for particle monitor (recommended every 2 years)	\$	325.00
CAL R5	Factory Calibration Profiler*	Factory calibration for particle profiler (recommended every 12 months)	\$	375.00
TECH SUPP	Advanced Technical Support*	Advanced technical support fee (per hour)	\$	120.00
TRAINING	On Site Training*	In person training on site by an expert Aeroqual technician (per day, excl. expenses)	\$	800.00
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Contract #17PSX0210 Delivery: Please see below STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: Wilbur Technical Services, LLC ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC Alicat Price List / Catalog Number - All items in price list Dated: 2017 See attached price list for Alicat Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site



Field Flow Calibrator

for Particulate Matter Air Samplers



All-Weather Accuracy from Anchorage to Miami

Be confident in your flow measurements, no matter the weather. Responsive temp probes and humidity sensors keep the weather in check as you monitor flow, pressure and temperature in real time. Or, collect a robust average of 5000 readings in 5 seconds.

Fast & Easy Operation for all low-vol samplers

Connect quickly to any low-volume sampler with the industry's only pass-through PM10/PM2.5 inlet connection. Or, use the included barb fitting with face seal for no-hassle fitting changes. Rapid temperature equilibration lets you get started right away. US & INTERNATION



FLOW

with weatherproof construction

Keep calibrating after a drop from the roof, or finish your audit if it starts to rain. This compact calibrator fits in your pocket but is built tough in an all-aluminum weatherproof body with IP67 connections and the industry's only lifetime warranty.

The Fastest Flow Controller Company in the World!





FP-25 Flow Calibrator for PM Samplers

EPA Requirement Al

Alicat FP-25 Specs

Flow	Accuracy: Range:	+/- 2% reading	+/- 1.0% reading, NIST-traceable 0.125-25.000 lpm/slpm
Pressure	Accuracy: Range:	+/- 5 mmHg 600-800 mmHg	+/- 1 mmHg, , NIST-traceable 475-825 mmHg
Temperature	Accuracy: Range:	+/- 0.5°C -30°-45°C	+/- 0.2°C (external temp probe), NIST-traceable -30°-60°C

Alicat FP-25 Build Specifications

Battery	Life: Recharge:	12 hours of continuous use 3.5 hours via included 2-amp USB power supply
Connections	Fittings: Electrical:	2 downtube Direct Mode adapters and 1 barb fitting micro-USB for digital communications and charging
Durability	FP-25: Case:	IP67 connections, lifetime warranty Waterproof hard case
Dimensions	FP-25: In case:	7.6"x1.4"x2.5" (1.4 lb) 12.5"x14.5"x5.4" (6.7 lb)

Direct connect fittings for sampler downtubes are easy to connect and reduce the likelihood of leaks.

alicat.com/fp25 Alicat Scientific, Inc • 888-290-6060

Calibration Quick-Start

- **1. Connect** the Alicat to your sampler's inlet tube with the direct connect fittings, and then reconnect the 10 hat. Or, connect through the sampler's inlet adapter with the barb fitting and silicone tubing.
- **2. Monitor** live flow (both actual and standardized), barometric pressure and temperature readings as soon as the Alicat powers on.
- **3. Measure** each calibration point by hitting the averaging button. The Alicat will average 1000 readings per second for your chosen duration. Repeat for each calibration point.
- **4. Log** live or timed measurement data by connecting the Alicat to a PC via the USB cable.

Environmental Flow Standards



*All prices listed in US dollars (USD).

FP-25 and Accessories	Description	Price
FP-25	Flow calibrator for PM air samplers, 0.1-25 lpm (complete kit with accessories in hard case).	\$2,950
FP-25BT	Flow calibrator for PM air samplers with Bluetooth, 0.1-25 lpm (complete kit with accessories in hard case).	\$3,500
FP-BTA	Positionable Bluetooth antenna, for FP-25BT.	\$150
FP-PROBE	External temperature probe with 6 feet of cable and 4-pin M8 connector.	\$150
FP-DMA1	Direct Mode PM inlet adapter (1.25" OD) with 1/4" NPT face seal, for 1.25" sampler downtubes.	\$125
FP-DMA2	Direct Mode downtube adapter (1.25" ID) with 1/4" NPT face seal, for 1.25" sampler downtubes.	\$150
FP-BARB	Barb fitting (0.25" ID) with 1/4" NPT face seal.	\$60
FP-TUBE	5-foot length of 1/4" ID x 7/16" OD silicone tubing.	\$35
PVPS5USBU	Micro-B to Type A USB cable with universal 2.0A 100-240 VAC to 5 Vdc wall adapter.	\$55
SCASE	Waterproof hard case with custom foam inserts for FP-25 and its accessories.	\$350
FP-TABLET	Bluetooth-equipped 7" Android tablet, for use with FP-25BT.	\$200

Environmental Recalibration and Repair Services

Item	Description	Price
FP-25 Recalibration	Includes NIST-traceable calibration certificate (flow, barometric pressure, external temp probe).	\$300
FP-25 Bluetooth Upgrade	Conversion of FP-25 to FP-25BT, includes Bluetooth antenna (FP-BTA)	\$550

Alicat Scientific • 7641 N. Business Park Drive, Tucson, Arizona, USA • +1 (888) 290-6060 • Fax: +1 (520) 290-0109 • orders@alicat.com • www.alicat.com

Cables and Accessories

*All prices listed in US dollars (USD).

		All prices listed in 03 dollo	, ,			
8-pin mini-DIN Cables	Price	-	Price	D-Sub Cables	Price	
DC-61 (6 ft, male-blunt)	\$30	IC10 (10 ft, male-blunt)	\$35	9-pin cables		
DC-6RT (6 ft, right-angle, blunt)	\$35	IC20 (20 ft, male-blunt)	\$55	DB9-31 (3 ft, female-blunt)		\$30
DC-251 (25 ft, male-blunt)	\$55	IC50 (50 ft, male-blunt)	\$100	DB9-61 (6 ft, female-blunt)		\$40
DC-501 (50 ft, male-blunt)	\$90	IC102 (10 ft, male-male)	\$40	DB9-101 (10 ft, female-blunt)		\$50
DC-751 (75 ft, male-blunt)	\$120	IC202 (20 ft, male-male	\$70	DB9M-31 (3 ft, male-blunt)		\$30
DC-1001 (100 ft, male-blunt)	\$150	IC502 (50 ft, male-male)	\$140	DB9M-61 (6 ft, male-blunt)		\$40
DC-32RS (3 ft, male-male, no analog)	\$30			DB9M-101 (10 ft, male-blunt)		\$50
DC-62RS (6 ft, male-male, no analog)	\$35			For BB9 9-pin cable replacemen	nt only:	
DC-62 (6 ft, male-male)	\$35	Cable for EXTSEN-ISC pressure u	nits:	510199 (9 ft, female-female)		\$40
DC-252 (25 ft, male-male)	\$65	ISC10 (10 ft, male-blunt)	\$35	15-pin cables		
DC-502 (50 ft, male-male)	\$100			DBC-251 (25 ft, female-blunt)		\$50
*Custom cable lengths and co	nnectors availab					
Adapter Cables	Price		Price			
USB-MD8-232 8-pin (M) to USB 2.0, 6 ft.	. \$100	MD8DB9 8-pin (M) to DB9(F), 6 ft	\$35			
USB-MD8-485 8-pin (M) to USB 2.0, 6 ft.	. \$100					
BB9 Breakout Boxes			RS-232 Price		RS-485 F	Price
BB9-232 Connects up to (9) 8-pin RS-2	232 units, 9-pin serial	port and USB to PC (incl. cables)	\$185	BB9-485 , 8-pin (9), serial port only		\$185
BB9-I-232 Connects up to (9) 6-pin inc	dustrial RS-232 units,	9-pin serial port and USB to PC (incl. cables)	\$185	BB9-I-485, 6-pin (9), serial port only		\$185
Power Supplies					Price	
PVPS24U 100-240 Vac to 24 Vdc	, barrel-type conn	ector, incl. global wall adapters				\$55
PVPS5USBU micro-USB to wall a						\$60
PS24VHC 24 Vdc, 6.5-amp, for ha		<u> </u>				\$85
						<u> </u>
Software					Price	
	. for data logging a	and PC control of all Alicat instruments	3		Price	\$295
FLOWVISIONSC Flow Vision SC		and PC control of all Alicat instruments			Price	\$295 \$295
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX		and PC control of all Alicat instruments ith up to 6 Alicat mass flow controllers				\$295 \$295
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX Protective Cases	(, for gas mixing w	ith up to 6 Alicat mass flow controllers		' interior)	Price Price	\$295
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX Protective Cases PCASE Pelican carrying case, wa	tertight, dust-tight	ith up to 6 Alicat mass flow controllers , holds up to 2 meters or 1 controller (9.25" x 7.1" x 4.1			\$295 \$75
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX Protective Cases PCASE Pelican carrying case, wa PCASE-L Pelican carrying case, v	tertight, dust-tight	ith up to 6 Alicat mass flow controllers	9.25" x 7.1" x 4.1		Price	\$295
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX Protective Cases PCASE Pelican carrying case, wa PCASE-L Pelican carrying case, v Legacy Accessories	X, for gas mixing watertight, dust-tight watertight, dust-tig	ith up to 6 Alicat mass flow controllers, holds up to 2 meters or 1 controller (ht, holds up to 6 meters and controller)	9.25" x 7.1" x 4.1			\$295 \$75 \$155
FLOWVISIONSC Flow Vision SC FLOWVISIONMX Flow Vision MX Protective Cases PCASE Pelican carrying case, wa PCASE-L Pelican carrying case, v	X, for gas mixing watertight, dust-tight watertight, dust-tigass-through 8-pin	ith up to 6 Alicat mass flow controllers , holds up to 2 meters or 1 controller (ht, holds up to 6 meters and controller connector	9.25" x 7.1" x 4.1		Price	\$295 \$75

Adapters, Fittings and Filters

*All prices listed in US dollars (USD).

10-32 Compression Fittings	Price	10-32 to 1/8" NPT Adapter	Price	10-32 Filters and Elements	Price
SS-200-1-0157 10-32(M) - 1/8" tube	\$25	410133 10-32 MUNF - 1/8" FNPT adapte	\$15	510053 10-32 5µ filter w/element	\$10
SS-400-1-0256 10-32(M) - 1/4" tube	\$30	(replacement adapter for 10-32/M5 mass flow units)		510054 10-32 20µ filter w/element	\$10
1/8" MNPT Compression Fittings	Price	1/8" Compression Fittings (Metric)	Price	1/8" Filters and Elements	Price
SS-200-1-2 1/8" MNPT - 1/8" tube	\$15	SS-3M0-1-2 1/8" MNPT - 3mm tube	\$15	ILF-1/8-20 1/8" 20µ filter + elemer	\$40
SS-400-1-2 1/8" MNPT - 1/4" tube	\$15	SS-4M0-1-2 1/8" MNPT - 4mm tube	\$15	ILFE20 20µ filter element	\$9
SS-600-1-2 1/8" MNPT - 3/8" tube	\$25	SS-6M0-1-2 1/8" MNPT - 6mm tube	\$15	SS-2F-15 1/8" compression 316L 15µ filte	\$120
SS-810-1-2 1/8" MNPT - 1/2" tube	\$30	SS-8M0-1-2 1/8" MNPT - 8mm tube	\$15		
		SS-12M0-1-2 1/8" MNPT-12mm tube	\$30		
1/4" MNPT Compression Fittings	Price	1/4" Compression Fittings (Metric)	Price	1/4" Filters and Elements	Price
SS-200-1-4 1/4" MNPT - 1/8" tube	\$15	SS-3M0-1-4 1/4" MNPT - 3mm tube	\$15	ILF-1/4-40 1/4" 40µ filter + elemer	\$40
SS-400-1-4 1/4" MNPT - 1/4" tube	\$15	SS-4M0-1-4 1/4" MNPT - 4mm tube	\$15	ILFE40 40µ filter element	\$8
SS-600-1-4 1/4" MNPT - 3/8" tube	\$25	SS-6M0-1-4 1/4" MNPT - 6mm tube	\$15	SS-4F-15 1/4" compression 316L15µ filte	\$140
SS-810-1-4 1/4" MNPT - 1/2" tube	\$25	SS-8M0-1-4 1/4" MNPT - 8mm tube	\$15		
		SS-12M0-1-4 1/4" MNPT-12mm tube	\$25		
1/2" MNPT Compression Fittings	Price	1/2" Compression Fittings (Metric)	Price	1/2" Filters and Elements	Price
SS-200-1-8 1/2" MNPT - 1/8" tube	\$25	SS-6M0-1-8 1/2" MNPT - 6mm tube	\$20	ILF-1/2-40 1/2" 40µ filter + elemer	\$60
SS-400-1-8 1/2" MNPT - 1/4" tube	\$20	SS-8M0-1-8 1/2" MNPT - 8mm tube	\$20	ILFE40L 40µ filter element	\$14
SS-600-1-8 1/2" MNPT - 3/8" tube	\$25	SS-12M0-1-8 1/2" MNPT-12mm tube	\$25		
SS-810-1-8 1/2" MNPT - 1/2" tube	\$25	SS-16M0-1-8 1/2" MNPT-16mm tube	\$30		
SS-1210-1-8 1/2" MNPT - 3/4" tube	\$40				
3/4" MNPT Compression Fittings	Price	3/4" Compression Fittings (Metric)	Price	3/4" Filters and Elements	Price
SS-400-1-12 3/4" MNPT - 1/4" tube	\$35	SS-12M0-1-12 3/4" MNPT-12mm tube	\$35	ILF-3/4-40 3/4" 40µ filter + elemer	\$60
SS-810-1-12 3/4" MNPT - 1/2" tube	\$35	SS-16M0-1-12 3/4" MNPT-16mm tube	\$40	ILFE40L 40µ filter element	\$14
SS-1210-1-12 3/4" MNPT - 3/4" tube	\$40				

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

	Contract #17PSX0210
1	Delivery: Please see below
	Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM#	DESCRIPTION OF COMMODITY AND/OR SERVICE	TICES				
	DISTRIBUTOR: Wilbur Technical Services, LLC	Authorized	Distrib	outor: Yes		
		Price List / Dated: 201		g Number - All items in price list		
		Price List / Bidding: A		g Pages On Which:		
		Complete F Yes	Product	Line Offered:		
				Support #860-508-7714 o.m. (7 days a week - 365 days		
	Shipment 45 Days A.R.O.					
	General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site					

List Pricing	Unit	List
Equipment	Price	Price
Envidas DAS and Accessories consisting of:		
Envidas Ultimate Software Licenses		
Envidas Ultimate MultiSite		5,746
Envidas Ultimate Standard 128 channels		3,639
Envidas Ultimate Standard 64 channels		3,256
Envidas Ultimate Standard 32 channels		2,777
Envidas Ultimate Lite 16 channels		2,298
Envidas Ultimate Multi Site		14,556
FTP Import Export for Ultimate		259
Envidas FW software upgrades to Ultimate software		
EnvidasFW upgrade to Envidas Ultimate Standard		2,413
EnvidasFW upgrade to Envidas Ultimate 64		2,030
EnvidasFW upgrade to Envidas Ultimate 32		1,551
EnvidasFW upgrade to Envidas Ultimate Lite		1,073
EnvidasFW Lite to Envidas Ultimate Standard		2,796
EnvidasFW Lite to Envidas Ultimate 64		2,413
EnvidasFW Lite to Envidas Ultimate 32		2,011
EnvidasFW Lite to Envidas Ultimate Lite		1,532
Envidas System Unit Hardware		
Advantech Uno Computer, 8 serial ports (232, 485), 1 ethernet,		
Windows 7.		1,545
Advantech Chassis & Dual Power Supply -4U Rackmount IPC-		
610		676
Advantech Chassis & 300 Watt Power Supply -4U Rackmount		
IPC-510MB-00XBE		225
ATX Motherboard: AIMB-766G2-00A2E with VGA, Dual LAN.		
4 Serial		303
2 GB RAM :DDR2-800 240PIN 128X8 SAM(G)		77
Intel CORE2 DUO DT 2.8G		225
Western Digital 500G 3.5" SATA 24X7 7200K RPM		161
RAID Interface with Hot Swap Chassis		386
LG 24X SATA DVD+/-RW		64
PCMCIA to PCI card		45
56K Internal Modem : MOD-USR56KPCI		64
56K External Modem: USR		174
SixNet Industrial Modem VT-MODEM-US1		348
Windows - XP Pro SP3 32 bit		238
Rack Slides Pair		97
Advantech Windows - 7 Pro SP1 64 bit		212
Advantech Windows - 7 Pro SP1 32 bit		212
Assembly		129
Data Acquisition Met Sensor Interfaces		F07
External RM Young Serial Interface - A		597
External RM Young Serial Interface - R		536
Remote IO Subsystems		222
ADAM 5000/485 4 slot DA&C System ADAM 5000/LAN 4 slot DA&C System		323 515
		515

ADAM 5000E-A 8 slot RS-485	542
ADAM 5000E-A 8 slot Ethernet	817
ADAM 5017-A3 8 channel analog in	227
ADAM 5017P-A3 8 channel analog in	295
ADAM 5017H-A3 8 channel analog in	343
ADAM 5018-A3 7 channel thermocouple - mV input	240
ADAM 5024 4 channel Analog out	309
ADAM 5052-A 8 channel isolated DI	117
ADAM 5051-D 16 channel DI	89
ADAM 5069 8 channel Relay output	163
ADAM 5080-A frequency counter	396
ADAM 5050 -16 channel universal digital I/O	144
ADAM 5060 6 channel relay out NO/NC	288
ADAM 4522 RS-232-485 converter	110
ADAM 4017-A3 8 channel analog in	261
ADAM 5056 16 channel D0	110
Relay Module 8 channel External 10 amp	89
Relay Module 4 channel External 10 amp	69
ADAM Power supply	69
System Unit Accessories	400
Printer - Inkjet	182
LCD Monitor 17 in	182
LCD Monitor 19 in LCD Monitor 22 in wide screen	242 364
Mouse A-MOU-PS2	16 21
Keyboard : AYKB-MITPS2 Mouse USB	21 16
Keyboard USB	21
•	109
Keyboard, Mouse and Monitor 25 ft extension calbe set Monitor, keyboard tray for rack mount	757
USB Flash 2 GB Memory Stick	757 55
COD Flash 2 CD Welliory Click	33
External Hard Drive - 1 TB	285
Serial Port Expansions and Serial I/O Devices	0
MOXA C104H/PCI	176
MOXA C104UL PCI	206
MOXA C1040E F G1 MOXA CP104EL-A-D9	224
MOXA C168U UPCI with Opt8D cable	303
MOXA C168 PCIx L with Opt8D9 cable	315
MOXA C168 PCIx L with OPT8M9 cable and box	448
MOXA C168H/PCI Surge Protection	333
MOXA C168H/PCI with Opt 8M9 and cable	370
MOXA CP132U	202
ADAM 4541 Serial to FO Converter	345
NPort 5410	485
NPort 5610-16-110	1,194
NPort 5610-8-110	860
NPort 5210	206
CBL-RJ45M9-150	19
ODE NOTONIO 100	10

Cables (Set)	303
Gender Changer M-F	4
Cable F-F-9-10	17
Cable M-M-9-10	17
Cable M-F-9-10	12
Cable M-F-9-15	18
Cable M-F-9-25	30
Cable M-F-9-50	42
PCLD-785-A	230
PCLD-782-B	200
Networking Options	
EBR-2310 4-port Ethernet Router	67
DI-804HV 4-port Ethernet Router with VPN	97
DI-707P D-Link Router, 7-Port Switch, Print Server	139
DSL-2540B ADSL 2/2 4-Port Gateway	125
DES-1108 8-Port 10/100 Desktop Switch	67
DES-1105 5-Port 10/100 Desktop Switch	55
SR216 16-Port 10/100 Desktop/Rack Switch	133
TrendNet 16-Port POE 10/100 Desktop/Rack Switch	366
Ethernet Cable Crossover 8 ft	18
Ethernet Cables 10 ft	12
Ethernet Cables 25 ft	23
Ethernet Cables 50 ft	35
Digi TransPort WR21 EVDO/HSPA GOBI Model WR21-U81B-	
DB1-SU	509
Digi TransPort WR21 EVDO/HSPA+ Gobi 3000 WR21-U82B-	E4.E
DB1-SU Distinguished CORL Model WD44 L1999 DE4 SU	515
Digi TransPort WR44 GOBI Model WR44-U800-DE1-SU	901
Digi TransPort WR44 GOBI Model WR44-U8A3-DE1-SU	1,011
DIGI Connectport WAN 3G & VPN	1,056
Digi TransPort WR21-L21B-DE1-SU	644
Digi TransPort WR21-L31B-DE1-SU	644
Digi TransPort WR21-L21B-DE2-SU	676
Digi TransPort WR21-L31B-DE2-SU	676
Digi TransPort WR44 Model (LTE) #WR44-L200-CE1-SU	953
Digi TransPort WR44 Model (LTE) #WR44-L300-CE1-SU	953
Digi TransPort WR44 Model (WiFi & LTE) #WR44-L200-NE1- SU	1,062
Digi TransPort WR44 Model (WiFi & LTE) #WR44-L300-NE1-	1,002
SU	1,062
Serial Cables for U8A3 PN 76000855	22
External Cellular Antenna with 14 ft cable and mounting	
bracket	132
Cellular Amplifier	309
Digi 900 Mhz Base Station with high gain antennae	1,939
Digi 900 Mhz Remote Station with high gain antennae	1,818
Verizon 1 GB monthly data plan with fixed IP	46
Verizon 5GB monthly data plan with fixed IP	80
Verizon 10 GB monthly data plan with fixed IP	114
Database Options	
MicroSoft SQL Express 2008 R2	0

UPS	
APC 450 VA Smart UPS	38
APC 650 VA Smart UPS	45
APC 750 VA Smart UPS	51
APC 1000 VA Smart UPS	60
Other Items	
Temp Sensor - Serial	22
IP Camera	33
IP Power Switch with Relays	32
Garmin GPS 18x PC	13
List Pricing	
Dell Tower or Rack Server with Windows 2008R2	\$9,27
MS SQL Server 2008R2 Standard Edition 5 CALS	\$2,06
Tape backup Unit for Dell Tower Server	\$2,36
Central Workstations	
Win 7 Workstation	\$1,80 •
Laptops	¢4.00
Win 7 Laptop Miscellaneous	\$1,80
Color Laser Printer	\$92
Ink Cartridges for Dell 3130	\$51
HP Inkjet Printer	\$18
Central Software	Ψι
SIteView CEM DAS Software	
SVCEMDAS -SITEVIEW CEM DAS - supports open, user	
created displays, alarm presentations, and a computational	
engine for mathematical and regulatory calculations.	\$4,11
SVCEMDAS Client -SITEVIEW CEM DAS additional client	
license	\$40
SVWEB-SITEVIEW Web- Intranet Application	\$3,08
SVRPT- SITEVIEW REPORTER - Emissions reporting	
capability for regulatory and intra organization purposes. (40	Φο ο σ
CFR Part 60 compliant)	\$2,05
SVRPTnode - SITEVIEW REPORTER Additional Node licence for REPORTER	\$20
Envista Air Resources Manager (ARM) Software	
ENVSTA-999 Envista Core System (1 ENVISTA ARM license, CommCenter, DB-Scheduler,FTP/EXPORT/IMPORT, Setup Manager, Enview database) - 999 Monitoring Stations	\$17,25
ENVSTAREG-999 Envista Core System for Regional Nodes (1	
ENVISTA ARM license, CommCenter, DB-Scheduler,	
FTP/EXPORT/IMPORT, Setup Manager) - 999 Monitoring	
Stations For use only as a regional node with an existing	
	\$8,62
Stations For use only as a regional node with an existing Envista system. Supports only 1 User. ENVSTA-005 Envista Core System (1 ENVISTA ARM license,	\$8,62
Stations For use only as a regional node with an existing Envista system. Supports only 1 User.	\$8,62 \$13,13

ENVSTA-004 Envista Core System (1 ENVISTA ARM license, CommCenter, DB-Scheduler,FTP/EXPORT/IMPORT, Setup Manager, Enview database) - 4 Monitoring Stations	\$11,073
ENVSTA-003 Envista Core System (1 ENVISTA ARM license, CommCenter, DB-Scheduler,FTP/EXPORT/IMPORT, Setup Manager, Enview database) - 3 Monitoring Stations	\$9,013
ENVSTA-002 Envista Core System (1 ENVISTA ARM license, CommCenter, DB-Scheduler,FTP/EXPORT/IMPORT, Setup Manager, Enview database) - 2 Monitoring Stations	\$6,953
ENVSTA-001 Envista Core System (1 ENVISTA ARM license, CommCenter, DB-Scheduler,FTP/EXPORT/IMPORT, Setup Manager, Enview database) - 1 Monitoring Station	\$4,893
ENVSTA-SU Envista User Additional Seats - Unlimited	\$36,050
ENVSTA-S25 Envista User Additional Seats - 25 Concurrent	\$25,750
ENVSTA-S10 Envista User Additional Seats - 10 Concurrent	\$12,875
ENVSTA-S5 Envista User Additional Seats - 5 Concurrent	\$7,725
ENVSTA-S1 Envista User Additional Seats - 1 Concurrent	\$1,803
Envista Add-Ins	
ENVSTA - XML REPORTER - XML REPORTER - XML files	
generator and interface to US EPA CDX, State Nodes and	0.000
Environment Canada's Envista ARM Web	\$10,300
ENVSTA - FPAQC - Filter Processing and Quality Control Add On for Envista Systems	\$8,240
ENVISTAVOICE Envi Voice AQI telephony application	\$7,725
ENVSTA-MAINT MaintainView Web Site Add-in to Envista	\$10,300
ENVSTA-MAINT MaintainView Web Site Stand Alone	
ENVOTA-MAINT Maintainview Web Site Stand Alone	\$18,540
Envista Web Edition	\$18,540
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server	
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license	\$18,540 \$28,840
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS -	\$28,840
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license	
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS -	\$28,840
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality	\$28,840 \$7,210
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license	\$28,840 \$7,210
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality	\$28,840 \$7,210 \$24,720 \$6,180
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license	\$28,840 \$7,210 \$24,720
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license	\$28,840 \$7,210 \$24,720 \$6,180
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090
ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360
ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090
ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition - Air Quality	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090 \$16,480 \$4,120
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEB-C2-1 ENVISTA Web Edition - Air Quality Agency Web Site for 1 Station - Single Server license	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090 \$16,480
Envista Web Edition ENVSTAWEBGIS-C1-U ENVISTA Web Edition with GIS - Air Quality Agency Web Site for Unlimited Stations - Single Server license ENVSTAWEBGIS-C1-U #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site - Second Server license ENVSTAWEBGIS-C2-U ENVISTA Web Edition - Air Quality Agency Web Site ENVSTAWEB-C2-U #2 ENVISTA Web Edition - Air Quality Agency Web Site - Second Server license ENVSTAWEB-C2-10 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEB-C2-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Single Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition with GIS - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition - Air Quality Agency Web Site for up to 10 Stations - Second Server license ENVSTAWEBGIS-C1-10 #2 ENVISTA Web Edition - Air Quality	\$28,840 \$7,210 \$24,720 \$6,180 \$12,360 \$3,090 \$16,480 \$4,120

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract #17PSX0210

Delivery: Please see below

Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM #	DESCRIPTION OF COMMODITY AND/OR SERVICE	S			
	DISTRIBUTOR: Wilbur Technical Services, LLC	Authorized Distributor: Yes			
	Gasera	Price List / Catalog Number - All items in price list Dated: 2017			
	See attached price list for Gasera	Price List / Catalog Pages On Which: Bidding: All			
		Complete Product Line Offered: Yes			
		Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year)			
	Shipment 45 Days A.R.O.				
	General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site				

GASERA ONE FORMALDEHYDE is based on tunable laser photoacoustic infrared spectroscopy with Gasera's patented optical cantilever microphone



We offer the GASERA ONE FORMALDEHYDE as follows

- Several interfaces supported (TCP/IP, Serial, AK, Current loop 4-20 mA)
- Innovative Design and Easy to use User Interface
- Remote diagnostics capability
- One year standard warranty

Gasera Ltd Lemminkäisenkatu 59, 20520 Turku Finland Phone +358 40 522 2611

Bank: IBAN FI94 159 030001 60091

- Quantitative analysis of Formaldehyde gas in air background
- User configurable gas sampling procedure and channel integration time (CIT). Selectable analyzer response time (longer CIT gives better sensitivity)
- Two-point gas sampling
- Below 1 ppb detection limit for Formaldehyde gas (in air balance)
- Technical details according to GASERA ONE FORMALDEHYDE brochure
- The instrument will be equipped with power cord, gas filters for both incoming gas lines, technical documentation and user manual
- Zero-gas calibration
- Single point span calibration for Formaldehyde gas

Gasera ONE Formaldehyde \$45,000.00
One point span calibration \$1,200.00
Total \$46,200.00

Freight and import duties will be charged if needed.

Bank: IBAN FI94 159 030001 60091



contact@gasera.fi

VAT FI 19304530



PHOTOACOUSTIC GAS ANALYZER

GASERA ONE

FORMALDEHYDE



Monitoring low levels of formaldehyde in ambient air

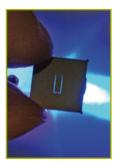


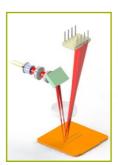
Measurement need

Formaldehyde levels above 0.1 ppm can cause acute health problems, e.g. sore throat, skin irritation, nausea, scratchy eyes and cough. It is also classified as highly carcinogenic compound. Exposure to moderate amounts of formaldehyde has been linked to cancer, such as leukemia.

Easy-to-use - one button operation

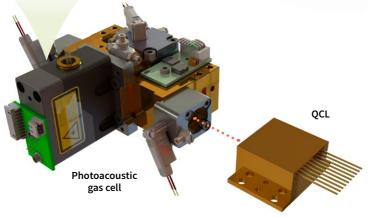
GASERA ONE FORMALDEHYDE provides the user with a simple and intuitive interface with high resolution display and a single rotating knob. In addition, the user can control the GASERA ONE FORMALDEHYDE wirelessly with smartphone, tablet or other devices.







Ultra-sensitive patented optical cantilever microphone



Technology

GASERA ONE FORMALDEHYDE analyzer is based on combining ultra sensitive cantilever enhanced photoacoustic detection technology with Quantum Cascade Laser source operating at a Mid-IR fundamental spectral absorption line of formaldehyde. This combination provides enough sensitivity to reliably measure ambient background levels of formaldehyde. It also gives an exceptionally high level of stability with a re-calibration period ranging from several months up to several years, and thus it offers a low total cost of ownership.

Benefits

- Standalone system with built-in gas exchange unit
- Requires no consumables or wet chemistry
- Portability that enables the field use
- Short optical path that provides industryleading dynamic range with single-point calibration
- Drift-free operation due to direct absorption measurement
- Two built-in sample inputs and wide dynamic range provide the possibility of before-after comparison in different processes
- Highly selective against aldehydes and other VOCs

Features

- Selective monitoring of formaldehyde
- Below 1 ppb detection limit
- Response time user configurable from 10 seconds to few minutes
- Wide dynamic range and stable operation
- No consumables
- Low sample volume (few ml)
- Built-in gas exchange system
- Long re-calibration interval (several months)
- User configurable monitoring tasks
- Intuitive user interface
- Built-in display presents results both numerically and graphically
- Remote operation via tablet, smartphone or another GASERA ONE

Application examples

Fence-line monitoring

Formaldehyde may leak from industrial facilities e.g. generating electricity. These undetected leaks are a significant source of pollution.

Biogas plants

Another Formaldehyde producer is biogas plants that are increasingly built for energy production.

New buildings

Formaldehyde is used worldwide in the manufacturing of building materials and household products, and is also a by-product of combustions. As a result, it is one of the most abundant toxic pollutants in indoor air.

Wood products

Wood products produced in or imported to various countries have to be tested and proven not to emit too much formaldehyde.

Traffic emissions

Formaldehyde can be found in the exhaust fumes emitted into the atmosphere by cars, buses and trucks.

Indoor air quality

Fuel burners, burning wood in open fireplaces, cooking and tobacco smoking are all sources of formaldehyde polluting the indoor air. But even the carpet on our floors and the materials our furniture is made from, can be a potential source of formaldehyde.

Occupational safety

Formaldehyde is common to the chemical industry. It is well known as a preservative in medical laboratories, as an embalming fluid, and as a sterilizer. Its primary use is in the production of resins and as a chemical intermediate.



Technology

- Principle of operation: photoacoustic infrared spectroscopy
- Patented ultra-sensitive optical microphone based on MEMS cantilever sensor coupled with a laser interferometer to measure microscopic movement of the cantilever
- Light source configuration: Distributed Feedback Quantum Cascade Laser
- Gas cell stabilized up to 50°C temperature

General

- 19" 3U (unit) housing for both table top and rack mount operation
- Dimensions: 48,4 cm W x 13,9 cm H x 44 cm D (19.1 in W x 5.5 in H x 17.3 in D)
- Weight: approx 13 kg
- Built-in computer with a 7" WSVGA display
- Data storage capacity sufficient for at least 1 year of continuous monitoring with the shortest sampling interval
- Total internal gas volume 30 ml
- 4 gas connections in the rear including 2 sample input connections equipped with user changeable filters for dust and small particles
- Electrical connections:
 Input voltage: 110-240 VAC, 50-60 Hz
 Input power: less than 100 W
- Interface: Ethernet, USB
- GASERA ONE FORMALDEHYDE can be remotely operated via smartphone, tablet, laptop or another GASERA ONE. (coming soon)

Environment

Operational conditions:

Temperature range: 0 °C – +40 °C Humidity: below 90% RH, non-condensing Pressure range: ambient level Dust/water resistance: IP20 (IEC 529)

Storage conditions:

Temperature range: -20 °C - +60 °C

Sample gas conditions:

Temperature: 0 – +49 °C Humidity: non-condensing Pressure: 930 mbar – 1100 mbar Gas flow: approx 1 liters/minute Particulates < 1 um

Measurement specifications

- Response time: dependent on user configurable channel integration time (C.I.T.) and gas exchange routine. From approx. 10 seconds to few minutes.
- Detection limit: below 1 ppb
- Dynamic range: over 5 orders of magnitude (i.e. 100 000 times the detection limit)
- Repeatability: less than 1 % of measured value in operational conditions at the calibration concentration
- Accuracy: Better than 5% at the calibration concentration. Limited by the calibration gas accuracy.
- Temperature stability: ambient temperature change within the operational temperature range will not cause drift
- Pressure stability: Sample gas pressure change within the pressure range will not cause drift

Standards

 Complies with the Low Voltage Directive 2014/35/EU, EMC Directive 2004/108/EC and ROHS 2 directive 2011/65/EU

Gasera Ltd. reserves the right to change specifications without notice.

STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Terms: Net 45 Days Contractor Name: Wilbur Technical Services, LLC	Delivery	y: Please see below	
Contractor Name: Wilbur Technical			
	Terms:	Net 45 Days	
Services, LLC	Contrac	tor Name: Wilbur Technical	
	Services	s, LLC	

			1			
ITEM#	DESCRIPTION OF COMMODITY AND/OR SERVICE	RVICES				
	DISTRIBUTOR: Wilbur Technical Services, LLC	Authorized Distributor: Yes				
	Markes International	Price List Dated: 20		g Number - All items in price list		
	See attached price list forMarkes International	Price List Bidding: A		g Pages On Which:		
		Complete Yes	Product	Line Offered:		
				Support #860-508-7714 o.m. (7 days a week - 365 days		
	Shipment 45 Days A.R.O.					
	General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site					



Gwaun Elai Medi Science Campus Llantrisant, RCT, CF72 8XL, United Kingdom

Tel: +44 (0)1443 230935 Fax: +44 (0)1443 231531 www.markes.com enquiries@markes.com

Air Server-xr On-line air monitoring module for UNITY-xr thermal desorber

Part Number	Description	\$ USD List
UNITY-Air Server-xr bun	dle	
U-UNITY-1-XR	UNITY-Air Server-xr: 3-channel Air Server - includes MFC (2-250 mL/min Air/N2, 2-500 mL/min He)	\$ 37,368
U-UNITY-2-XR	UNITY-Air Server-xr: 8-channel Air Server - includes MFC (2-250 mL/min Air/N2, 2-500 mL/min He)	\$ 41,562
Air Server-xr module for	UNITY-xr (not compatible with UNITY Series 2)	
U-AIRSV3-XR	Air Server-xr: 3-channel module for integrating with UNITY-xr	\$ 10,710
U-AIRSV8-XR	Air Server-xr: 8-channel module for integrating with UNITY-xr	\$ 14,976
System Accessories		
Water management		
U-KORI-XR	Kori-xr for humid samples; allows simultaneous analysis of C2 and polars, oxygenates and pinenes	\$ 18,243
U-ASDRY	Nafion dryer for humid samples; does NOT allow analysis of polars, oxygenates and pinenes	\$ 2,448
Pumps		
U-ASPM2	Pump for unpressurised samples, 230 Volts	\$ 999
U-ASPM1	Pump for unpressurised samples, 115 Volts	\$ 999
U-ASPM3	Pump for unpressurised samples, 100 Volts	\$ 999

FULL PRODUCT DESCRIPTION UNITY-Air Server-xr bundles

For cold traps please see consumables price list

UNITY-Air Server-xr with 3 or 8 channels for round-the-clock on-line air/gas monitoring and analysis of single sample tubes with or without RFID tags (TubeTAG™).

- · Cryogen-free, compact unit offering compatibility with all TD applications
- Quantitative re-collection of sample for repeat analysis or data/method validation
- Compatible with any GC(MS)
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times
- · Easily upgraded to 100-tube autosampler (see ULTRA-xr tab)

Integrated Air Server-xr 3 or 8 module:

- · Allows direct on-line sampling to cold-trap from whole air sources (ambient air, canisters, bags, etc.)
- · Three or eight sampling channels for canisters, bags or online air/gas streams (e.g. sample, calibrant, zero air)
- · Automatic sequencing between sample, calibrant, and zero air channels
- · Fully automated control of sampling flow-rates, includes MFC (2-250 mL/min Air/N2, 2-500 mL/min He)

UNITY-Air Server-xr includes:

- · Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- · U-T11GPC-2S general purpose cold trap suitable for most routine applications
- · Pressure regulators (U-GAS01) for controlling the supply pressure of dry and carrier gas
- · Markes Instrument Control software for Windows® 7 compatible PC
- · USB to serial port cable
- · 12 month warranty

Services required:

Electricity supply 100-240 V, 50-60 Hz, 650 W

100 mL/min dry air or N2 (50-60 psi, dew point < -50°C) + pure (5.0 grade or better) He, N2 carrier gas (5-60 psi)

Requires, but does not include:

- · Appropriately configured GC(MS) or alternative analyser with associated data handling
- · PC configured with Windows® 7 and an available USB or serial port
- · Installation by a fully trained service engineer



BenchTOF-dx Standard Package

BenchTOF-dx instrument bundle; including backing pump, PC, 23" monitor. EI-only. No GC. Includes 1-year TargetView license and ClearView time-unlimited

\$177,300 \$177,300	PART NUMBER MS-BTOF01-1 MS-BTOF01-2	W
\$4,500 \$900	MS-EI01 MS-MONIT	
\$1,440	MSC-SPKIT1	
\$450 \$225	MSC-FS2.5M	1000
	\$177,300 \$177,300 \$4,500 \$900 \$1,440 \$450	\$177,300 MS-BTOF01-1 \$177,300 MS-BTOF01-2 \$4,500 MS-EI01 \$900 MS-MONIT \$1,440 MSC-SPKIT1 \$450 MSC-2FIL01

FULL PRODUCT DESCRIPTION

BenchTOF-dx™ is a bench top (reflectron) time-of-flight (TOF) mass spectrometer for the analysis of volatile and semi-volatile organic chemicals.

The instrument provides a high performance specification relating to sensitivity and spectral acquisition.

BenchTOF-dx incorporates pulsed direct ion extraction from the ionisation chamber using proprietary ion optics for maximum sensitivity.

BenchTOF-dx operates as a generic mass detector on multiple GC platforms and accommodates all associated automated sample introduction devices and techniques.

Software (dx-Connect) is provided for instrument control via TCP/IP protocol.

Data output is compatible with established Windows folder-based data analysis systems, and includes export to ANDI universal file format as standard.

Data processing uses (multi-vendor) existing data analysis platforms.

Signal data are dynamically compensated in real-time to minimise non compound-specific background ion interferences using a proprietary DBC algorithm.

The real-time application enables both DBC and non-DBC data streams to be observed and interrogated on-line.

Package includes (min. spec):

- · Quad core Intel processor (4GB RAM), 2x500GB HD (mirrored), 32-Bit Windows XP, 512MB graphics card, 23" flat panel display monitor, 1 Gb LAN network card + 5 port Gb
- · Crossover LAN cable (Cat 6)
- · External roughing pump: dry-compression (oil-free) diaphragm pump, max delivery 21 I/min, ultimate vacuum 1.5 mBar abs
- · BenchTOF-dx toolkit
- · 12 months single-user TargetView software license: TargetView uses principal component analysis (PCA) and deconvolution to identify trace compounds
- 12-month warranty from the date of shipment. Third-party (non-ALMSCO) items must be independently warranted by their original manufacturers. ALMSCO cannot offer extended warranty or servicing for these items. Note that spare detector components are NOT included.

Services required:

- Power supply (MS-only, excluding backing pump or data system) 115/235 V AC ±10% switchable, 50/60 Hz, 400 W
- Power supply (backing pump) 100-240 V, 50-60 Hz, 120 W
- · Pure research grade (6.0 / 99.9999%) Helium carrier gas required for optimum system performance

Requires but does not include:

- · Gas chromatograph
- · Other vendor data analysis platform required for data analysis, e.g. Agilent ChemStation or ThermoFisher Xcalibur, etc.

Service installation by a factory-trained engineer is required.

BenchTOF-dx for Enhanced Data Processing Package

BenchTOF-dx instrument bundle; including backing pump, high-spec PC, two 23" monitors. EI-only. No GC. Includes 1-year TargetView license and ClearView

SHORT DESCRIPTION BenchTOF-dx, includes backing pump, high spec PC & 2monitor, 110V BenchTOF-dx, includes backing pump, high spec PC & 2monitor, 220V	\$179,100 \$179,100	PART NUMBER MS-BTOF02-1 MS-BTOF02-2	
SYSTEM ACCESSORIES			
Spare EI source, BenchTOF-dx	\$4,500	MS-EI01	
BenchTOF-dx, additional PC monitor	\$900	MS-MONIT	
12 month consumables spares kit	\$1,440	MSC-SPKIT1	
TOF, Filament, Pk 2	\$450	MSC-2FIL01	
TOF, fused silica capillary (methyl deactivated), 2.5m	\$225	MSC-FS2.5M	

FULL PRODUCT DESCRIPTION

BenchTOF-dx™ is a bench top (reflectron) time-of-flight (TOF) mass spectrometer for the analysis of volatile and semi-volatile organic chemicals.

The instrument provides a high performance specification relating to sensitivity and spectral acquisition.

BenchTOF-dx incorporates pulsed direct ion extraction from the ionisation chamber using proprietary ion optics for maximum sensitivity.

BenchTOF-dx operates as a generic mass detector on multiple GC platforms and accommodates all associated automated sample introduction devices and techniques.

Software (dx-Connect) is provided for instrument control via TCP/IP protocol.

Data output is compatible with established Windows folder-based data analysis systems, and includes export to ANDI universal file format as standard.

Data processing uses (multi-vendor) existing data analysis platforms.

Signal data are dynamically compensated in real-time to minimise non compound-specific background ion interferences using a proprietary DBC algorithm.

The real-time application enables both DBC and non-DBC data streams to be observed and interrogated on-line.

Package includes (min. spec):

- Quad core Intel processor (8GB RAM), 2x1TB HD (mirrored), 64-Bit Windows 7, 1GB graphics card, 2 x 23" flat panel display monitor, 1 Gb LAN network card + 5 port Gb sw
- · Crossover LAN cable (Cat 6)
- · External roughing pump: dry-compression (oil-free) diaphragm pump, max delivery 21 l/min, ultimate vacuum 1.5 mBar abs
- · BenchTOF-dx toolkit
- · 12 months single-user TargetView software license: TargetView uses principal component analysis (PCA) and deconvolution to identify trace compounds
- 12-month warranty from the date of shipment. Third-party (non-ALMSCO) items must be independently warranted by their original manufacturers. ALMSCO cannot offer extended warranty or servicing for these items. Note that spare detector components are NOT included.

Services required:

- Power supply (MS-only, excluding backing pump or data system) 115/235 V AC ±10% switchable, 50/60 Hz, 400 W
- Power supply (backing pump) 100-240 V, 50-60 Hz, 120 W
- · Pure research grade (6.0 / 99.9999%) Helium carrier gas required for optimum system performance

Requires but does not include:

- · Gas chromatograph
- · Other vendor data analysis platform required for data analysis, e.g. Agilent ChemStation or ThermoFisher Xcalibur, etc.

Service installation by a factory-trained engineer is required.

BenchTOF-dx with Roughing Pump

BenchTOF-dx instrument including backing pump. EI-only. No GC. Includes 1-year TargetView license and ClearView time-unlimited licence.

SHORT DESCRIPTION BenchTOF-dx, includes backing pump, 110V BenchTOF-dx, includes backing pump, 220V	\$172,800 \$172,800	PART NUMBER MS-BTOF04-1 MS-BTOF04-2	
SYSTEM ACCESSORIES			
Spare EI source, BenchTOF-dx	\$4,500	MS-EI01	
BenchTOF-dx, additional PC monitor	\$900	MS-MONIT	
12 month consumables spares kit	\$1,440	MSC-SPKIT1	
TOF, Filament, Pk 2	\$450	MSC-2FIL01	
TOF, fused silica capillary (methyl deactivated), 2.5m	\$225	MSC-FS2.5M	

FULL PRODUCT DESCRIPTION

BenchTOF-dx™ is a bench top (reflectron) time-of-flight (TOF) mass spectrometer for the analysis of volatile and semi-volatile organic chemicals. The instrument provides a high performance specification relating to sensitivity and spectral acquisition.

BenchTOF-dx incorporates pulsed direct ion extraction from the ionisation chamber using proprietary ion optics for maximum sensitivity.

BenchTOF-dx operates as a generic mass detector on multiple GC platforms and accommodates all associated automated sample introduction devices and techniques.

Software (dx-Connect) is provided for instrument control via TCP/IP protocol.

Data output is compatible with established Windows folder-based data analysis systems, and includes export to ANDI universal file format as standard. Data processing uses (multi-vendor) existing data analysis platforms.

Signal data are dynamically compensated in real-time to minimise non compound-specific background ion interferences using a proprietary DBC algorithm. The real-time application enables both DBC and non-DBC data streams to be observed and interrogated on-line.

Package includes:

- · Crossover LAN cable (Cat 6)
- · External roughing pump: dry-compression (oil-free) diaphragm pump, max delivery 21 l/min, ultimate vacuum 1.5 mBar abs
- · BenchTOF-dx toolkit
- · 12 months single-user TargetView software license: TargetView uses principal component analysis (PCA) and deconvolution to identify trace compounds
- · 12-month warranty from the date of shipment. Third-party (non-ALMSCO) items must be independently warranted by their original manufacturers. ALMSCO cannot offer extended warranty or servicing for these items. Note that spare detector components are NOT included.

Services required:

- · Power supply (MS-only, excluding backing pump or data system) 115/235 V AC ±10% switchable, 50/60 Hz, 400 W
- Power supply (backing pump) 100-240 V, 50-60 Hz, 120 W
- · Pure research grade (6.0 / 99.9999%) Helium carrier gas required for optimum system performance

Requires but does not include:

- · Gas chromatograph
- · Other vendor data analysis platform required for data analysis, e.g. Agilent ChemStation or ThermoFisher Xcalibur, etc.

Service installation by a factory-trained engineer is required.



Data Processing Software

Target compound detection software package and GC/MS data reprocessing utility

SHORT DESCRIPTION	LIST PRICE	PART NUMBER
TargetView software - time-unlimited licence	\$8,100	MS-TV01
TargetView software - 12 month licence	\$2,700	MS-TVYR
ClearView utility - time-unlimited licence	\$2,700	C-CVIEW1
ClearView utility - 12 month licence	\$898	C-CVIEWYR
NIST11 Library	\$3,150	MS-NISTSW



FULL PRODUCT DESCRIPTIONS

TargetView™ automates the detection and measurement of multiple target chemicals in complex GC/MS data-sets using proprietary algorithms. Comparison with existing commercial (e.g. NIST) or personal mass spectral libraries is automated.

TargetView is ideal for those who analyse trace compounds in challenging mixtures for routine or research applications

TargetView offers:

- · Accurate detection & identification of trace target compounds in complex GC/MS profiles
- · Reliable peak abundance information to support conventional data handling
- · Easy library creation from existing spectra
- · Rapid reporting of all target hits
- · Significant time saving; replaces lengthy manual data analysis
- · Compatibility with common GC/MS data formats
- · Intuitive operation: Learn & use TargetView within minutes

ClearView™ is an advanced GC/MS reprocessing utility for improved spectral purity and quantitation.

Reprocesses stored GC/MS data files – singly or in batches - creating additional files of processed data. Original GC/MS data files remain unchanged.

ClearView advantages:

- · Enhances automatic identification of trace target analytes and unknowns in complex samples
- · Selectively eliminates interference flattening baselines, simplifying integration and improving sensitivity
- · Simpler integration helps improve quantitative accuracy and run-to-run reproducibility
- · ClearView processing is purely additive original GC/MS data files remain intact and uncompromised
- · Reduces costs and boosts lab throughput

For TargetView and ClearView

Please note:

- · Software activation requires access to the Internet although not necessarily on the same PC
- · Software must be installed and activated on the PC that will be used for operation. Once registered will not operate on any other PC.

Requires but does not include:

- · PC running Windows 2000, XP, Vista or 7 with 100 MB of free disk space and a minimum of 512 MB RAM
- · Recommended PC requirements: (Windows 7 PC with dual core processor with 1 GB of free disk space and 4 RAM.)



Training and Installation

BenchTOF-dx, installation* and instrument familiarisation (up to 4 days) BenchTOF-dx, onsite training course, 3 days (max 4 people)

\$7,000 MS-INSTL \$10,000 MS-TRAIN

* BenchTOF-dx is platform neutral (for connection to Shimadzu GC please contact ALMSCO for further details)





\$2,142.00	C-HEL23
\$2,142.00	C-HEL11
\$900.00	MS-MONIT
\$3,245.40	MS-NISTSW
\$18,900.00	MS-DSREP
\$35,100.00	MS-DSFRC
\$53,100.00	MS-DSFFU
\$9,900.00	MS-CCFI
POA	MS-DSSIT
\$53,100.00	MS-HDSEL
	\$2,142.00 \$900.00 \$3,245.40 \$18,900.00 \$35,100.00 \$53,100.00 \$9,900.00 POA

Additional information

The BenchTOF-HD package includes:

- BenchTOF-HD time-of-flight mass spectrometer see Brochure and Specification Sheet for full details.
- TOF-DS software for system control, data acquistion and processing.
- Transfer Line
- · Starter Kit, including:
- Dell® PC Quad core Intel® processor (8 GB RAM), 2 × 1 TB HD (mirrored), 64-bit Windows® 7, 1 GB graphics card.
- 23" flatscreen monitor.
- External roughing pump: Dry-compression (oil-free) diaphragm pump, max. delivery 21 L/min, ultimate vacuum 1.5 mbar (absolute).
- BenchTOF toolkit.
- 12-month warranty from the date of shipment. Third-party (non-Markes) items must be independently warranted by their original manufacturers.

Note that spare detector components are not included.

Services required (see Pre-installation Guide for full details):

- Power supply (MS-only, excluding backing pump or data system): 115/235 V a.c. ±10%, switchable, 50/60 Hz, 400 W.
- Power supply (backing pump): 100-240 V, 50-60 Hz, 120 W.

• Pure research-grade (6.0 / 99.9999%) helium carrier gas required for optimum system performance.

Requires but does not include:

Gas chromatograph

Service installation by a factory-trained engineer is required.



BenchTOF-Select

High-performance time-of-flight mass spectrometer for gas chromatography with TOF-DS data analysis package and Select-eV variable-energy electron ionisation technology

Description	List price	Part number
BenchTOF-Select, 110 V		
including standard transfer line	\$232,200.00	MS-BTOF-31011
including standard transfer line, no PC	\$232,200.00	MS-BTOF-31001
including extended-length transfer line	\$232,200.00	MS-BTOF-32011
including extended-length transfer line, no PC	\$232,200.00	MS-BTOF-32001
including high-temperature transfer line	\$232,200.00	MS-BTOF-33011
including high-temperature transfer line, no PC	\$232,200.00	MS-BTOF-33001
BenchTOF-Select, 220 V		
including standard transfer line	\$232,200.00	MS-BTOF-31012
including standard transfer line, no PC	\$232,200.00	MS-BTOF-31002
including extended-length transfer line	\$232,200.00	MS-BTOF-32012
including extended-length transfer line, no PC	\$232,200.00	MS-BTOF-32002
including high-temperature transfer line	\$232,200.00	MS-BTOF-33012
including high-temperature transfer line, no PC	\$232,200.00	MS-BTOF-33002
Recommended system accessories		
BenchTOF high-temperature consumables kit	\$464.40	MS-HTKIT
12-month consumables spares kit	\$1,483.20	MSC-SPKIT1
Filament, pack 2	\$464.40	MSC-2FIL01
Fused silica capillary (methyl-deactivated), 2.5 m	\$232.20	MSC-FS2.5M
Gas purifier, high-capacity, 230 V, 1/8" fittings	POA	C-HCP23

Gas purifier, high-capacity, 110 V, 1/8" fittings	POA	C-HCP11
Helium leak detector including 230 V charger	\$2,142.00	C-HEL23
Helium leak detector including 115 V charger	\$2,142.00	C-HEL11
Additional PC monitor	\$900.00	MS-MONIT
NIST11 Library	\$3,245.40	MS-NISTSW
TOF-DS, Additional reprocess copy	\$18,900.00	MS-DSREP
TOF-DS, Additional family reprocess copy	\$35,100.00	MS-DSFRC
TOF-DS, Full family upgrade	\$53,100.00	MS-DSFFU
ChromCompare, File import utility	\$9,900.00	MS-CCFI
TOF-DS site licence	POA	MS-DSSIT

Additional information

The BenchTOF-Select package includes:

- BenchTOF-HD time-of-flight mass spectrometer see Brochure and Specification Sheet for full details.
- TOF-DS software for system control, data acquistion and processing.
- Select-eV variable-energy electron ionisation technology.
- · Transfer line.
- · Starter kit, including:
- Dell® PC Quad core Intel® processor (8 GB RAM), 2 × 1 TB HD (mirrored), 64-bit Windows® 7, 1 GB graphics card.
- 23" flatscreen monitor.
- External roughing pump: Dry-compression (oil-free) diaphragm pump, max. delivery 21 L/min, ultimate vacuum 1.5 mbar (absolute).
- BenchTOF toolkit.
- 12-month warranty from the date of shipment. Third-party (non-Markes) items must be independently warranted by their original manufacturers.

Note that spare detector components are not included.

Services required (see Pre-installation Guide for full details):

- Power supply (MS-only, excluding backing pump or data system): 115/235 V a.c. ±10%, switchable, 50/60 Hz, 400 W.
- Power supply (backing pump) 100-240 V, 50-60 Hz, 120 W.
- Pure research-grade (6.0 / 99.9999%) helium carrier gas required for optimum system performance.

Requires but does not include:

Gas chromatograph.

Service installation by a factory-trained engineer is required.



BenchTOF-dx upgrade routes

BenchTOF-dx upgrades for TOF-E10108 onwards

Description	List price	Part number
BenchTOF-HD upgrade package	\$20,700.00	MS-DXHD
BenchTOF-Select upgrade package (pre TOF-E10133)	\$73,800.00	MS-DXSEL01
BenchTOF-Select upgrade package (TOF-E10133 to TOF-E10149)	\$73,800.00	MS-DXSEL02
BenchTOF-Select upgrade package (TOF-E10150 onwards)	\$73,800.00	MS-DXSEL03

Additional information

BenchTOF-HD upgrade requires but does not include:

• Remote PC access for firmware upgrade, or service installation by a factory-trained engineer

BenchTOF-Select upgrade requires:

• Service installation by a factory-trained engineer.



Training and installation

The following are UK-based prices, and do not include expenses for accommodation and travel on overseas trips – these are invoiced separately.

Description	List price	Part number
Installation and familiarisation for a standard BenchTOF system (3 days on site)	\$6,489.00	MS-INSTL
Installation and familiarisation for a GC×GC BenchTOF system (5 days on site)	\$9,270.00	MS-INSTL2
Operator training course on BenchTOF at customer site (3 days on site, up to 4 people)	\$9,270.00	MS-TRGOS
On-site training, applications support or consultancy (price per day)	\$1,816.20	MS-TRAIN

Additional information

BenchTOF is platform-neutral, but please contact Markes if wishing to connect to a Shimadzu GC.



User-changeable spares and consumables

Consumables for BenchTOF-HD and BenchTOF-Select

Description	List price	Part number
12-Month consumables spares kit (BenchTOF-Select)	\$1,483.20	MSC-SPKIT2
Filament, pack 2	\$464.40	MSC-2FIL01
Fused silica capillary (methyl-deactivated), 2.5 m	\$232.20	MSC-FS2.5M
Octafluoronaphthalene (OFN), 1 pg/µL check-standard	\$120.60	MSS-TOF-1099
High-temperature consumables kit	\$464.40	MS-HTKIT
Macor tip, transfer line	\$540.00	MSC-MACTIP



Service parts

Service parts for BenchTOF-HD and BenchTOF-Select

Description List price Part number

Please contact support@markes.com



Software

Software for GC-MS baseline compensation and target compound detection in complex profiles

Description	List price	Part number
ClearView – time-unlimited licence	\$2,781.00	C-CVIEW1
ClearView – 12-month licence	\$925.20	C-CVIEWYR
TargetView – time-unlimited licence	\$8,343.00	MS-TV01
TargetView – 12-month licence	\$2,781.00	MS-TVYR
NIST11 Library	\$3,245.40	MS-NISTSW

Additional information

ClearView offers:

- Baseline compensation of GC-MS data sets for improved spectral purity and quantitation.
- · Automated batch processing of multiple data sets.

TargetView offers:

- Baseline compensation for improved spectral purity and quantitation.
- Matching against custom or commercially available spectral libraries.
- · Automated searching of all components against NIST.
- · Library creation from existing spectra.
- Automated batch processing of multiple data sets.

Please note:

- · Activation of ClearView and TargetView requires access to the internet.
- Once registered and installed on a PC, TargetView will not operate on another PC.

ClearView and TargetView require but do not include:

- PC running Windows® 2000, XP, Vista or 7 with 100 MB of free disk space and a minimum of 512 MB RAM.
- Compatible GC-MS data-processing software on the same PC.



Basic Agilent GC Bundle for BenchTOF

Basic GC/ChemStation® bundle, plus sampler

Part number Description

GC components:

Agilent GC instrument bundle, comprising:

G3440B Agilent 7890B mainframe

G3440A #112 Split/splitless inlet with EPC for 7890

G3440A #306 Oven exhaust deflector G1530-61200 APG remote Y cable

G1701EA MSD ChemStation® Software, full licence and software

GC options (add as required):

G3440A #112 Split/splitless inlet with EPC for 7890 G3440A #122 On-column inlet with EPC for 7890

G3440A #150 MultiMode inlet with liquid carbon dioxide cooling
G3440A #151 MultiMode inlet with liquid nitrogen or air cooling

G3440A #211 Flame ionisation detector with EPC for 7890, capillary columns only

Sampler options:

Agilent liquid-only autosampler bundle, comprising:

G4513A AutoInjector for Agilent 7890
G4514A Tray for G4513A AutoInjector

Agilent CTC sampler (liquid-only) bundle, comprising:

G6509B CTC sampler for liquid injections, 120 cm (upgrade to HS/SPME possible)

G3384AA PAL Control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

Agilent CTC sampler (liquid/headspace) bundle, comprising:

G6509B CTC sampler for liquid injections, 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, magnetic, UltraClean 18 mm screw-cap with septa, silver, with 1.5 mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Agilent CTC sampler (liquid/headspace/SPME) bundle, comprising:

G6509B CTC sampler for liquid injections 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B G6509B #112 SPME upgrade for G6501B / G6509B G6500-60240 SPME fibre conditioning station

G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, magnetic, UltraClean 18 mm screw-cap wwith septa, silver, with 1.5 mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Markes' TD-100™ thermal desorption bundle, comprising:

U-TD100-221-2S TD-100™ (automated re-collection and electronic control of split and desorb flows) with

internal standard addition

U-ULKIT TD automation/ULTRA™ starter kit (includes 160 stainless steel DiffLok caps)

U-TDINS Installation & familiarisation for TD-100™ (may take up to 1.5 days)

RMK-0009 Routine maintenance kit for TD-100™, including spare cold trap

N.B. System requires use of spare SS inlet

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Unit price	Quantity	Total price
		<u>\$33,757.87</u>
\$15,701.40	1	\$15,701.40
\$3,992.40	1	\$3,992.40
\$156.60	1	\$156.60
\$556.87	1	\$556.87
\$13,350.60	1	\$13,350.60
¢2.002.40	0	¢0.00
\$3,992.40	0	\$0.00 \$0.00
\$3,976.20 \$9,957.60	0	\$0.00
\$9,957.60	0	\$0.00
	0	
\$4,177.80	U	\$0.00
		<u>\$15,903.00</u>
\$7,326.00	1	\$7,326.00
\$8,577.00	1	\$8,577.00
		\$33,145.8 <u>1</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
		<u>\$41,791.21</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		<u>\$53,747.86</u>
\$27,756.00	1	\$27,756.00

\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$6,633.00	1	\$6,633.00
\$5,323.64	1	\$5,323.64
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		\$65,280.60
\$59,619.60	1	\$59,619.60
\$2,748.60	1	\$2,748.60
\$1,891.80	1	\$1,891.80
\$1,020.60	1	\$1,020.60



Agilent/Zoex GC×GC bundle for BenchTOF

Agilent/Zoex ZX1 LN2 (or substitute with ZX2 non-cryogen) GC×GC ChemStation®/GC Image™ bundle

Part number Description

GC components:

Agilent GC instrument bundle, comprising:

G3440B Agilent 7890B mainframe

G3440A #112 Split/splitless inlet with EPC for 7890

G3440A #306 Oven exhaust deflector G1530-61200 APG remote Y cable

G1701EA MSD ChemStation® software, full licence

ZX-1 liquid nitrogen thermal modulation, C3 upwards. Requires but does not include

pressurised liquid nitrogen vessel (ideally ~200 L) and a supply of clean dry nitrogen gas.

ZX-AFU Liquid nitrogen autofill

ZX-GCI GC Image™ & GC project software

ZX Column Set Custom GC×GC column set to fit client application.

Inst & Training Installation of GC×GC hardware and software, and instruction (4 days usually required)

Zoex ZX2 Option (substitute for items ZX-1 7890 and ZX-AFU if required):

ZX-2 7890 ZX-2 closed-cycle refrigeration thermal modulation, C7 upwards. Requires a supply of

clean dry nitrogen gas

GC options (add as required):

G3440A #112 Split/splitless inlet with EPC for 7890 G3440A #122 On-column inlet with EPC for 7890

G3440A #150 MultiMode inlet with liquid carbon dioxide cooling
G3440A #151 MultiMode inlet with liquid nitrogen or air cooling

G3440A #211 Flame ionisation detector with EPC for 7890, capillary columns only

ZX-SDM Secondary oven for GC×GC

Sampler options:

Agilent liquid-only autosampler bundle, comprising:

G4513A AutoInjector for Agilent 7890
G4514A Tray for G4513A AutoInjector

Agilent CTC sampler (liquid-only) bundle, comprising:

G6509B CTC sampler for liquid injections, 120 cm (upgrade to HS/SPME possible)

G3384AA PAL Control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

Agilent CTC sampler (liquid/headspace) bundle, comprising:

G6509B CTC sampler for liquid injections, 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B
G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, Magnetic, UltraClean 18 mm screw-cap with septa, silver, with 1.5 mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Agilent CTC sampler (liquid/headspace/SPME) bundle, comprising:

G6509B CTC sampler for liquid injections 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B G6509B #112 SPME upgrade for G6501B / G6509B G6500-60240 SPME fibre conditioning station

G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, Magnetic, UltraClean 18mm screw-cap w/septa, silver, with 1.5mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Markes' TD-100™ thermal desorption bundle, comprising:

U-TD100-221-2S TD-100™ (automated re-collection and electronic control of split and desorb flows) with

internal standard addition

U-ULKIT TD automation/ULTRA™ starter kit (includes 160 stainless steel DiffLok caps)

U-TDINS Installation & familiarisation for TD-100™ (may take up to 1.5 days)

RMK-0009 Routine maintenance kit for TD-100™, including spare cold trap

N.B. System requires use of spare SS inlet

e, plus sampler

Unit price	Quantity	Total price
Offic price	Qualitity	Total price
		\$133,675.87
\$15,701.40	1	\$15,701.40
\$3,992.40	1	\$3,992.40
\$156.60	1	\$156.60
\$556.87	1	\$556.87
\$13,350.60	1	\$13,350.60
* . = , = = = = =		* ,
\$60,768.00	1	\$60,768.00
\$10,596.60	1	\$10,596.60
\$18,594.00	1	\$18,594.00
\$3,119.40	1	\$3,119.40
\$1,710.00	4	\$6,840.00
\$1,710.00	4	\$0,040.00
¢44 724 00	0	¢0.00
\$66,726.00	0	\$0.00
\$3,992.40	0	\$0.00
\$3,976.20	0	\$0.00
\$9,957.60	0	\$0.00
\$9,957.60	0	\$0.00
\$4,177.80	0	\$0.00
\$8,303.40	0	\$0.00
		<u>\$15,903.00</u>
\$7,326.00	1	\$7,326.00
\$8,577.00	1	\$8,577.00
		¢22 14E 01
¢27.754.00	1	\$33,145.81
\$27,756.00		\$27,756.00
\$3,569.40 \$887.40	1	\$3,569.40 \$887.40
\$887.40 \$567.00	1	
,	1	\$567.00 \$366.01
\$366.01	1	\$366.01
		<u>\$41,791.21</u>
\$27,756.00	1	\$27,756.00

\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		<u>\$53,747.86</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$6,633.00	1	\$6,633.00
\$5,323.64	1	\$5,323.64
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		\$65,280.60
\$59,619.60	1	\$59,619.60
\$2,748.60	1	\$2,748.60
\$1,891.80	1	\$1,891.80
\$1,020.60	1	\$1,020.60



Agilent GC Bundle for BenchTOF including Optic 4

Agilent GC ChemStation® bundle with Optic 4, plus sampler, LINEX etc.

Part number Description

GC components:

Agilent GC instrument bundle, comprising:

G3440B Agilent 7890B mainframe

G3440A #112 Split/splitless inlet with EPC for 7890

G3440A #306 Oven exhaust deflector G1530-61200 APG Remote Y Cable

G1701EA MSD ChemStation® Software, full licence

OPTIC-4 injection system with single electronic flow control channel including Evolution

workstation control software. Excludes mounting hardware and installation.

2406-4125 OPTIC-4 Installation Kit for Agilent 7890

A100145 Starter kit for LVI sampling, pack of 5 different liners: A100001, A100060, A100049,

A100132, A100133

2406-4034 Interface cable for PAL autosampler

2406-4041 Y-shaped remote extension cable, Agilent 7890

GC options (add as required):

G3440A #211 Flame ionisation detector with EPC for 7890, capillary columns only

LINEX bundle option for Optic 4 (add as required), comprising:

2411-3002 LINEX-DMI liner exchanger for OPTIC-4

X200126 USB dontrol box for LINEX

L100011 LINEX DMI tapered liner, pack of 5

2406-1010 OPTIC DMI Sample Insert 30 μ L, pack of 100

X800002 Chronos software for integrated control of CTC sampler, Optic 4 and LINEX

N.B. A CTC sampler option must be chosen in order to use LINEX.

Sampler options:

Agilent liquid-only autosampler bundle, comprising:

G4513A AutoInjector for Agilent 7890 G4514A Tray for G4513A AutoInjector

Agilent CTC sampler (liquid-only) bundle, comprising:

G6509B CTC sampler for liquid injections, 120 cm (upgrade to HS/SPME possible)

G3384AA PAL Control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
66509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

Agilent CTC sampler (liquid/headspace) bundle, comprising:

G6509B CTC sampler for liquid injections, 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®

G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B
G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, Magnetic, UltraClean 18 mm screw-cap with septa, silver, with 1.5 mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Agilent CTC sampler (liquid/headspace/SPME) bundle, comprising:

G6509B CTC sampler for liquid injections 120cm (upgrade to HS/SPME possible)

G3384AA PAL control for MSD Productivity ChemStation®
G6509B #003 Trayholder (114 mm) and 98-vial tray, 2 mL
G6509B #101 6890/7890 mounting hardware & cable

8121-1013 USB to RS-232 adaptor cable for alternative connection to PC

G6509B #111 Headspace upgrade for G6501B / G6509B G6509B #112 SPME upgrade for G6501B / G6509B G6500-60240 SPME fibre conditioning station

G6509B #005 Trayholder (114 mm) and 32-vial tray, 10 mL

5188-2753 Screw vial, 20 mL (pack of 100)

Screw cap, Magnetic, UltraClean 18 mm screw-cap with septa, silver, with 1.5 mm

PTFE/silicone septa (top white, bottom blue) (pack of 100)

Markes' TD-100™ thermal desorption bundle, comprising:

U-TD100-221-2S TD-100™ (automated re-collection and electronic control of split and desorb flows) with

internal standard addition

U-ULKIT TD automation/ULTRA™ starter kit (includes 160 stainless steel DiffLok caps)

U-TDINS Installation & familiarisation for TD-100™ (may take up to 1.5 days)
RMK-0009 Routine maintenance kit for TD-100™, including spare cold trap

N.B. System requires use of spare SS inlet

Unit price	Quantity	Total price
		<u>\$60,416.19</u>
\$15,701.40	1	\$15,701.40
\$3,992.40	1	\$3,992.40
\$156.60	1	\$156.60
\$556.87	1	\$556.87
\$13,350.60	1	\$13,350.60
\$24,842.12	1	\$24,842.12
\$887.22	1	\$887.22
\$612.36	1	\$612.36
\$222.68	1	\$222.68
\$93.94	1	\$93.94
\$4,177.80	0	\$0.00
		<u>\$22,479.41</u>
\$15,622.02	1	\$15,622.02
\$1,818.00	1	\$1,818.00
\$462.74	1	\$462.74
\$177.44	1	\$177.44
\$4,399.20	1	\$4,399.20
		<u>\$15,903.00</u>
\$7,326.00	1	\$7,326.00
\$8,577.00	1	\$8,577.00
		<u>\$33,145.81</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
		<u>\$41,791.21</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40

\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		<u>\$53,747.86</u>
\$27,756.00	1	\$27,756.00
\$3,569.40	1	\$3,569.40
\$887.40	1	\$887.40
\$567.00	1	\$567.00
\$366.01	1	\$366.01
\$6,636.60	1	\$6,636.60
\$6,633.00	1	\$6,633.00
\$5,323.64	1	\$5,323.64
\$887.40	2	\$1,774.80
\$84.60	1	\$84.60
\$149.40	1	\$149.40
		<u>\$65,280.60</u>
\$59,619.60	1	\$59,619.60
\$2,748.60	1	\$2,748.60
\$1,891.80	1	\$1,891.80
\$1,020.60	1	\$1,020.60



Basic Thermo GC Bundle for BenchTOF

Basic GC/Xcalibur bundle, plus sampler

Part	t number	Descr	ription

GC components:

Thermo GC instrument bundle, comprising:

14800402 TRACE 1310 mainframe 230 V

19070010 Instant connect split/splitless injector module

1R120479-0001 ISQ software kit, includes Xcalibur 2.2 sp1 and TraceFinder 2.0 sp1 – supports Windows®

7 and Windows® XP SP3

Thermo basic GC option (substitute for item 14800302 if required):

14800400 TRACE 1310 mainframe 230 V

GC options (add as required):

19070010 Instant connect split/splitless injector module

19070001 Instant Connect FID module

On-column inlet with EPC
PTV inlet with cooling

Sampler options:

Thermo liquid-only autosampler bundle, comprising:

25117581 AS 1310 for TRACE 1300 Series GC (for stand-alone, ISQ and ITQ configurations)

Triplus RSH (CTC) liquid-only sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1020	Tool-releasing station for manually changing syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 vial trays (also accepts deepwell plates)
1R77010-1023	VT54 vial tray for 2 mL vials. Capacity 54 vials

Triplus RSH (CTC) liquid/headspace sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1019	Automatic tool change station for the storage and automatic changing of up to three syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 vial trays, also accepts deepwell plates
1R77010-1023	VT54 Vial Tray for 2 mL vials. Capacity 54 vials
1R77010-1032	Incubation and agitation oven for up to 6 \times 2 mL, 10 mL, or 20 mL vials in the temperature range between room temperature and 200°C
1R77010-1022	VT15 vial tray for 10/20 mL vials. Capacity 15 vials
	HS Syringe tool required
20-HSVST3-CP	Pack of 125 magnetic screw-cap 20 mL headspace vial with 18 mm blue silicone/natural PTFE septa

Triplus RSH (CTC) liquid/headspace/SPME sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1019	Automatic tool change station for the storage and automatic changing of up to three syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 Vial Trays (also accepts deepwell plates)
1R77010-1023	VT54 vial rray for 2 mL vials. Capacity 54 vials
1R77010-1032	Incubation and agitation oven for up to 6 × 2 mL, 10 mL, or 20 mL vials in the temperature range between room temperature and 200°C
1R77010-1022	VT15 Vial Tray for 10/20 mL vials. Capacity 15 vials
	HS Syringe tool required
20-HSVST3-CP	Pack of 125 magnetic screw-cap 20 mL headspace vial with 18 mm blue silicone/natural PTFE septa
1R77010-1015	SPME syringe fiber tool. Includes 4 fibers, fibers holder and split/splitless liner
1R77010-1035	SPME fiber conditioning module for conditioning SPME fibers mounted in the SPME tool

Markes' TD-100™ thermal desorption bundle, comprising:

TD-100™ Advanced (automated re-collection and electronic control of split and desorb U-TD100-221-2S

flows) with IS addition

U-ULKIT TD automation/ULTRA™ starter kit (includes 160 stainless steel DiffLok caps)

U-TDINS Installation & familiarisation for TD-100™ (may take up to 1.5 days) RMK-0009 Routine maintenance kit for TD-100™, including spare cold trap

N.B. System requires use of spare SS inlet

Unit price	Quantity	Total price
		·
		\$24,084.00
\$15,282.00	1	\$15,282.00
\$4,428.00	1	\$4,428.00
\$4,374.00	1	\$4,374.00
\$11,628.00	0	\$0.00
\$4,428.00	0	\$0.00
\$5,076.00	0	\$0.00
POA	0	
\$8,028.00	0	\$0.00
		<u>\$13,176.00</u>
\$13,176.00	1	\$13,176.00
		<u>\$27,936.00</u>
\$24,570.00	1	\$24,570.00
\$630.00	1	\$630.00
\$756.00	1	\$756.00
\$1,224.00	1	\$1,224.00
\$126.00	6	\$756.00
		\$41,922.00
\$24,570.00	1	\$24,570.00
\$4,896.00	1	\$4,896.00
\$756.00	1	\$756.00
\$1,224.00	1	\$1,224.00
\$126.00	6	\$756.00
\$4,464.00	1	\$4,464.00
\$126.00	6	\$756.00
\$4,500.00	1	\$4,500.00
\$154.62	1	\$154.62

\$56,044.62

\$24,570.00	1	\$24,570.00
\$4,896.00	1	\$4,896.00
\$756.00	1	\$756.00
\$1,224.00	1	\$1,224.00
\$126.00	6	\$756.00
\$4,464.00	1	\$4,464.00
\$126.00	6	\$756.00
\$4,500.00	1	\$4,500.00
\$154.62	1	\$154.62
\$7,884.00	1	\$7,884.00
\$6,084.00	1	\$6,084.00
		<u>\$65,280.60</u>
\$59,619.60	1	\$59,619.60
\$2,748.60	1	\$2,748.60
\$1,891.80	1	\$1,891.80
\$1,020.60	1	\$1,020.60



Basic Thermo GC Bundle for BenchTOF including Optic 4

Basic GC/Xcalibur bundle with Optic 4, plus sampler

Part number Description

GC components:

Thermo GC instrument bundle, comprising:

14800402 TRACE 1310 mainframe 230 V

19070010 Instant connect split/splitless injector module

1R120479-0001 ISQ software kit, includes Xcalibur 2.2 sp1 and TraceFinder 2.0 sp1 – supports Windows®

7 and Windows® XP SP3

OPTIC-4 injection system with single electronic flow control channel including Evolution

workstation control software. Excludes mounting hardware and installation.

2406-4126 OPTIC-4 installation kit for Thermo GC

A100145 Starter kit for LVI sampling, pack of 5 different liners: A100001, A100060, A100049,

A100132, A100133

2406-4034 Interface cable for PAL autosampler

2406-4041 Y-shaped remote extension cable Agilent 7890

Thermo basic GC option (substitute for item 14800302 if required):

14800400 TRACE 1310 mainframe 230 V

GC options (add if required):

19070010 Instant connect split/splitless injector module

19070001 Instant connect FID module

On-column inlet with EPC PTV inlet with cooling

LINEX bundle option for Optic 4 (add if required):

2411-3002 LINEX-DMI liner exchanger for OPTIC-4

X200126 USB control box for LINEX

L100011 LINEX DMI tapered liner, pack of 5

2406-1010 OPTIC DMI sample insert 30 μL, pack of 100

X800002 Chronos Software for Integrated Control of CTC Sampler, Optic 4 and LINEX.

Note: Must have a CTC sampler option to use LINEX, need to verify that LINEX and Chronos software can be use

Sampler options:

Thermo liquid-only autosampler bundle, comprising:

25117581 AS 1310 for TRACE 1300 Series GC (for stand-alone, ISQ and ITQ configurations)

Triplus RSH (CTC) liquid-only sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1020	Tool releasing station for manually changing syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 vial trays (also accepts deepwell plates)
1R77010-1023	VT54 vial tray for 2 mL vials. Capacity 54 vials

Triplus RSH (CTC) liquid/headspace sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1019	Automatic tool change station for the storage and automatic changing of up to three syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 Vial Trays (also accepts deepwell plates)
1R77010-1023	VT54 Vial Tray for 2 mL vials. Capacity 54 vials
1R77010-1032	Incubation and agitation oven for up to 6×2 mL, 10 mL, or 20 mL vials in the temperature range between room temperature and 200°C
1R77010-1022	VT15 vial tray for 10/20 mL vials. Capacity 15 vials
	HS Syringe tool required
20-HSVST3-CP	Pack of 125 magnetic screw-cap 20 mL headspace vials with 18 mm blue silicone/natural PTFE septa

Triplus RSH (CTC) liquid/headspace/SPME sampler bundle, comprising:

1R77010-0400	Extended rail TriPlus RSH base configuration for liquid injections – requires selection of GC mounting kit and tool changer. Note: NO vials, caps and seals are included
1R77010-1019	Automatic tool change station for the storage and automatic changing of up to three syringe tools
1R77010-1005	Mounting brackets for TRACE 1300 Series GC (includes SSL/PTV adaptor nut)
1R77010-1021	Trayholder for VT15, VT54, VT70, and R60 Vial Trays (also accepts deepwell plates)
1R77010-1023	VT54 Vial Tray for 2 mL vials. Capacity 54 vials
1R77010-1032	Incubation and agitation oven for up to 6 \times 2 mL, 10 mL, or 20 mL vials in the temperature range between room temperature and 200°C
1R77010-1022	VT15 vial tray for 10/20 mL vials. Capacity 15 vials
	HS Syringe tool required
20-HSVST3-CP	Pack of 125 magnetic screw-cap 20 mL headspace vials with 18 mm blue silicone/natural PTFE septa
1R77010-1015	SPME syringe fiber tool. Includes 4 fibers, fibers holder and split/splitless liner
1R77010-1035	SPME fiber conditioning module for conditioning SPME fibers mounted in the SPME tool

Markes' TD-100™ thermal desorption bundle, comprising:

	mema decembered annual of comprising.
U-TD100-221-2S	TD-100 [™] Advanced (automated re-collection and electronic control of split and desorb flows) with IS addition
U-ULKIT	TD automation/ULTRA™ starter kit (includes 160 stainless steel DiffLok caps)
U-TDINS	Installation & familiarisation for TD-100™ (may take up to 1.5 days)
RMK-0009	Routine maintenance kit for TD-100™, including spare cold trap

N.B. System requires use of spare SS inlet



Gwaun Elai Medi Science Campus Llantrisant, RCT, CF72 8XL, United Kingdom

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CIA Advantage- xr

Automated canister sampling module for UNITY-xr thermal desorbe

Part Number	Description		\$ USD List
UNITY-CIA Advantage -xr	bundle		
U-UNITY-5-XR	UNITY-CIA Advantage T-xr: 4 channels	\$	43,048
U-UNITY-6-XR	UNITY-CIA Advantage HL-xr: 14 channels	\$	56,520
CIA Advantage -xr module	s for UNITY-xr and UNITY 2		
U-CIAT-2S	CIA Advantage T-xr: 4 channel module for integrating with UNITY-xr or UNITY 2	\$	23,616
U-CIAHL-2S	CIA Advantage HL-xr: 14 channel module for integrating with UNITY-xr or UNITY 2	\$	39,112
U-CIASAT-2S	CIA Satellite-xr: additional 13 channel module for use with CIA Advantage T-xr or CIA Advantage HL-xr	\$	20,168
System Accessories			
Water management			
U-KORI-XR	Kori-xr for humid samples; allows simultaneous analysis of C2 and polars, oxygenates and pinenes	\$	18,243
U-ASDRY Pumps	Nafion dryer for humid samples; does NOT allow analysis of polars, oxygenates and pinenes	\$	2,448
U-ASPM2	Pump for unpressurised samples, 230 Volts	\$	999
U-ASPM1	Pump for unpressurised samples, 115 Volts	\$	999
U-ASPM3 Heated sample lines	Pump for unpressurised samples, 100 Volts	\$	999
U-HTLNKT	Heated Sample Lines for CIA Advantge HL-xr & CIA Satellite-xr (compatible with older series)	\$	4,230
U-HTLNKT-T Humidifier	Heated Sample Lines for CIA Adavantage T-xr (compatible with older series)	\$	1,386
U-HUMID Canister cleaner	Humidifier for CIA Advantage to flush flow path	\$	913
U-TOCLN120	TO-Clean Canister Cleaning System with Isothermal Oven 120 VAC	Email en	quiries@markes.com for pricings
U-TOCLN220 Canister rack	TO-Clean Canister Cleaning System with Isothermal Oven 220-240 VAC	Email en	quiries@markes.com for pricings
U-RACK02	Maxi Rack (accommodates up to 15 6L canisters)	\$	6,586

For cold traps please see consumables price list

FULL PRODUCT DESCRIPTION UNITY-CIA Advantage -xr bundles

UNITY-CIA Advantage -xr is a method compliant system for automated canister sampling and analysis of single sample tubes with or without RFID tags (TubeTAGTM). Available in two versions - T for trace concentrations, includes Mass Flow Control (MFC) sample introduction

- HL for high and low concentrations, includes both MFC and loop options for sample introduction
- Cryogen-free, for advanced water management, reduced running costs and enhanced productivity.
- 4-27 channels depending on configuration and compatible with all canister/bag types/sizes.
- Compatible with air toxics (canister or bag) in ambient air and soil gas analysis per US EPA Method TO-15 and other canister standards
- Heated internal flow paths (up to 200°C) prevent carryover and allow high and trace level samples to be analysed in the same sequence without the need for dilution.
- Thermostated internal standard addition (1 mL loop inert) for optimal precision Fully automated control of sampling flow-rates, times and multi-channel sequencing
- TO-17 compatible tube desorption capability features quantitative re-collection for repeat analysis Easily upgraded with 100-tube autosampler (see ULTRA-xr tab)
- Compatible with any GC(MS) and with all thermal desorption applications
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times

UNITY-CIA Advantage -xr includes:

- Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- U-T15ATA-2S TO-15/TO-17 Air Toxics applications specific cold trap Markes Instrument Control software for Windows® 7 compatible PC
- Pressure regulators (U-GAS01 x 2) for controlling the supply pressure of dry and carrier gases
- · 2 USB to serial port cables 12 month warranty
- Services required:

Electricity supply 100-240 V, 50-60 Hz, 1550 W Total

100 mL/min dry air or N2 (50-60 psi, dew point < -50°C) + pure (5.0 grade or better) He or N2 carrier gas (5-60 psi)

Requires, but does not include:

Appropriately configured GC(MS) or alternative analyser with associated data handling

PC configured with Windows® 7 and up to 3 available USB or serial ports
 Installation by a fully trained service engineer

Add ons CIA Satellite-xr module

Adds an additional 13 channels to CIA Advantage T-xr or CIA Advantage HL-xr, features and performance as described for bundles

CIA Satellite-xr includes

Transfer line for connection to HL or T module
USB to serial port cable

12 month warranty

Services required:

Electricity supply 100-240 V, 50-60 Hz, 650 W

100 mL/min dry air or N2 (50-60 psi, dew point < -50°C) + pure (5.0 grade or better) He, N2 carrier gas (5-60 psi)

Requires, but does not include:

- UNITY—CIA Advantage -xr system either T or HL version
 Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with Windows® 7 and up to 3 available USB or serial ports
- Installation by a fully trained service engine
- * For details of canisters, and accessories for canisters see Markes TD consumables and accessories catalogue





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TD100-xr

Automated tube thermal desorber for up to 100 x 3.5-inch tubes.				
Part Number	Description	\$ USD Lis	it	
TD100-xr				
U-TD100-1-XR	TD100-xr Standard with manual control of split and desorb flows	\$	44,775	
U-TD100-3-XR	TD100-xr Standard with electronic control of split and desorb flows	\$	50,940	
U-TD100-2-XR	TD100-xr Advanced (automated re-collection and electronic control of split and desorb flows)	\$	57,114	
System Acccessories				
U-ISDPAC-XR	ISDP accessory for TD100-xr or ULTRA-xr (all versions) with regulator (U-GAS03) for purging IS gas - Field Installable	\$	7,344	
C-CSLR	Calibration solution loading rig	\$	617	
System Starter Kits				
C-TDKIT-02	Essential Automated TD Starter Kit	\$	6,300	
U-ULKIT	Automated TD Booster Kit	\$	3,528	
C-TAGKT	Essential TubeTAG Starter Kit (Stainless steel tubes)	\$	1,674	
Application Starter Kits				
C-TO17KIT	TO17 Starter Kit	\$	7,650	
C-KITME01-2S	Material Emissions Starter Kit	\$	2,970	
C-KITDD-2S	Direct desorption (VDA 278) starter kit	\$	3,780	
C-KIT325T-2S	EPA 325 Starter Kit	\$	2,772	
TD100-xr Upgrade				
U-TD100-UPGD	Upgrade TD100-xr, standard (manual re-collection) to advanced (automated re-collection)	\$	13,842	

For cold traps please see consumables price list

FULL PRODUCT DESCRIPTION TD100-xr

TD100-xr™ Automated Thermal Desorber for industry standard (3.5-inch x ½-inch O.D.) sample tubes with or without RFID tags (TubeTAG™).

- \cdot 100-tube automation with built-in TubeTAG RFID tag read/write functionality for enhanced tube and sample tracking
- Tubes are sealed using DiffLok caps while on TD100-xr, before, throughout and after analysis to preserve sample integrity and prevent contamination of conditioned tubes
- · Simple, robust operation (no capping or uncapping required)
- · Cryogen-free, compact unit offering compatibility with all tube TD applications
- Quantitative manual (inlet and outlet) re-collection of sample for repeat analysis or data/method validation included on all versions
- Automation of outlet re-collection supplied factory fitted on 'Advanced' models and available for 'Standard' versions as a field upgrade
- · Compatible with any GC(MS)
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times

TD100-xr includes:

- · Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- · U-T11GPC-2S general purpose cold trap suitable for most routine applications
- · Markes Instrument Control software for Windows® 7 compatible PC
- · Pressure regulators (U-GAS01) for controlling the supply pressure of dry and carrier gas
- USB to serial port cable
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- 100 ml/min dry air or N2 (50-60 psi, dew point < -50°C) + pure (5.0 grade or better) He, N2 carrier gas (5-60psi)

Requires, but does not include:

- Appropriately configured GC(MS) or alternative analyser with associated data handling
- · PC configured with Windows® 7 and an available USB or serial port
- Installation by a fully trained service engineer

NOTE: TD100-xr is not compatible with AirServer-xr or CIA Advantage -xr products.

For canister, bag and/or online sampling an (ULTRA-xr) UNITY-Air Server-xr/CIA Advantage -xr is required.

* For details of application and starter kit contents see Markes TD consumables and accessories catalogue



Manual tube desorption

UNITY 2 thermal desorber for 3.5-inch tubes configured for electronic carrier gas control. Connects to all GC brands.

SHORT DESCRIPTION UNITY 2 with manual control of split and desorb flows UNITY 2 with electronic control of split and desorb flows	LIST PRICE \$23,985.00 \$29,714.40	PART NUMBER U-UNITY-XX-2S U-UNITY-XX-MFC-2S
STARTER SYSTEM ACCESSORIES		
Dual regulator (dry gas/carrier gas) pneumatics accessory	\$1,242.00	U-GAS01
Basic thermal desorption consumables kit, UNITY 2, 3½" *	\$1,810.80	C-KIT012-2S
Comprehensive thermal desorption consumables kit, UNITY 2, 31/2" *	\$6,744.60	C-KIT02-2S
Calibration solution loading rig	\$583.20	C-CSLR
Routine maintenance kit, UNITY 2, 31/2", without cold trap	\$460.80	RMK-0004-2S



FULL PRODUCT DESCRIPTION UNITY 2

UNITY 2™ platform thermal desorber for single (3.5-inch x ¼-inch O.D.) sample tubes with or without RFID tags (TubeTAG™).

- · Cryogen-free, compact unit offering compatibility with all TD applications
- Quantitative re-collection of sample for repeat analysis or data/method validation (SecureTD-Q™)
- Compatible with any GC(MS) and offers a versatile upgrade path for tube automation and/or canister/online automation
- · Configured for electronic carrier gas control (ECC) for stabilisation of retention times

UNITY 2 includes:

- · Transfer line and GC/TD cable for connection to any commercial GC, GC/MS. NB: GC inlet NOT required
- · U-T11GPC-2S general purpose cold trap suitable for most routine applications
- · Controlling software for 32- or 64-bit Windows® compatible PC
- · USB to serial port cable
- · 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- 100 ml/min dry air or N₂ (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N₂ or H₂ carrier gas (settable 5-60psi)

Requires, but does not include:

- · Appropriately configured GC(MS) or alternative analyser with associated data handling
- · PCconfigured with 32- or 64-bit Windows® and an available USB or serial port
- External pressure regulation for the supply of carrier gas and dry air (5-60psi carrier gas, 50-60psi dry air). We recommend U-GAS01 accessory
- * For details of consumables and maintenance kit contents see Markes TD consumables and accessories catalogue



Automated tube desorption

TD-100 automated thermal desorber for up to 100 3.5-inch tubes, configured for electronic gas carrier control. Connects to all GC brands.

SHORT DESCRIPTION	LIST PRICE	PART NUMBER
TD-100 Standard with manual control of split and desorb flows	\$41,572.80	U-TD100-11X-2S
TD-100 Standard with electronic control of split and desorb flows	\$47,300.40	U-TD100-31X-2S
TD-100 Standard with Internal Standard (IS) addition and manual control of split and desorb flows	\$48,160.80	U-TD100-121-2S
TD-100 Standard with Internal Standard (IS) addition and electronic control of split and desorb flows	\$53,890.20	U-TD100-321-2S
TD-100 Advanced (automated re-collection and electronic control of split and desorb flows)	\$53,029.80	U-TD100-21X-2S
TD-100 Advanced (automated re-collection and electronic control of split and desorb flows) with IS addition	\$59,619.60	U-TD100-221-2S
STARTER SYSTEM ACCESSORIES TD-100 starter kit (includes 160 st st DiffLok caps, pk 10 Tenax/Carbograph 1TD tubes etc)* TD systemation (ILLTDA starter kit (includes 160 st st Difflick caps) *	\$4,147.20	U-TDKIT-100 U-ULKIT
TD automation/ULTRA starter kit (includes 160 st st DiffLok caps)*	\$2,748.60	U-ULKTI C-TAGKT
TubeTAG start-up kit (for stainless steel tubes)*	\$1,440.00	
Calibration solution loading rig	\$583.20	C-CSLR
Routine maintenance kit, TD-100, without trap*	\$460.80	RMK-0010

FULL PRODUCT DESCRIPTION TD-100

TD-100™ automated thermal desorber for industry standard (3.5-inch x ¼-inch O.D.) sample tubes with or without RFID tags (TubeTAG™).

- · 100-tube automation with built-in TubeTAG RFID tag read/write functionality for enhanced tube and sample tracking
- · Offers cryogen-free operation and compatibility with all TD applications
- · Quantitative manual re-collection of sample for repeat analysis or data/method validation (SecureTD-Q™) included on all versions
- · Automation of re-collection supplied factory fitted on 'Advanced' models and available for 'Standard' versions as a field upgrade
- · Compatible with any GC(MS) and configured for electronic carrier gas control (ECC) for stabilisation of retention times

TD-100 includes:

- · Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- · U-T11GPC-2S general purpose cold trap suitable for most routine applications
- · Controlling software for 32- or 64-bit Windows® compatible PC
- · Pressure regulators (U-GAS01) for controlling the supply pressure of dry and carrier gas (and U-GAS03 for purging internal standard gas onto the sample tube it
- · 2 USB to serial port cables
- · 12 month warranty

Services required:

- · Electricity supply 100-240 V, 50-60 Hz, 650 W
- · 100 ml/min dry air or N2 (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N2 or H2 carrier gas (5-60psi)

Requires, but does not include:

- · Appropriately configured GC(MS) or alternative analyser with associated data handling
- · PC configured with 32- or 64-bit Windows® and 2 available USB or serial ports

NOTE: TD-100 is not compatible with Air Server or CIA products. For canister, bag and/or online sampling an (ULTRA)UNITY-Air Server/CIA is required.

* For details of 'starter', 'start-up' and maintenance kit contents see Markes TD consumables and accessories catalogue





f IS accessory included)

Inline air monitoring

UNITY 2 thermal desorber for 3.5-inch tubes with pre-configured Air Server accessory. Configured for electronic carrier gas control and connects to all GC brands.

SHORT DESCRIPTION	LIST PRICE	PART NUMBER	
UNITY 2 with Air Server 3 (includes a 2-250 mL/min MFC)	\$34,774.20	U-UNITY-11-2S	
UNITY 2 with Air Server 8 (includes a 2-250 mL/min MFC)	\$38,592.00	U-UNITY-21-2S	UNITY
STARTER SYSTEM ACCESSORIES			44111
Pump for Air Server 230 V for unpressurised samples	\$936.00	U-ASPM2	
Pump for Air Server 115 V for unpressurised samples	\$936.00	U-ASPM1	
Optional nafion dryer for humid samples	\$2,309.40	U-ASDRY	
Routine maintenance kit, UNITY 2, 3½", without cold trap*	\$460.80	RMK-0004-2S	
Routine maintenance Kit, 3½", Air Servers and CIA 8*	\$262.80	RMK-0003-2S	MARKED.

FULL PRODUCT DESCRIPTION UNITY 2 with Air Server 3 or 8

UNITY 2™ with Air Server 3 or 8 platform thermal desorber for round-the-clock inline air/gas monitoring and analysis of single sample tubes with or w

- · Cryogen-free, compact unit offering compatibility with all TD applications
- Quantitative re-collection of sample for repeat analysis or data/method validation (SecureTD-Q™)
- Compatible with any GC(MS)
- · Configured for electronic carrier gas control (ECC) for stabilisation of retention times
- Easily upgraded to 100-tube autosampler (see Series 2 ULTRA options in add-ons)

Integrated Air Server 3 or 8 module:

- · Allows direct online sampling to cold-trap from whole air sources (ambient air, canisters, bags, etc.)
- · Three or eight sampling channels canisters, bags or online air/gas streams (e.g. sample, calibrant, zero air)
- · Fully automated control of sampling flow-rates, times and 3- or 8- channel sequencing (includes a 2-250 mL/min MFC)

System includes:

- · Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- · U-T11GPC-2S general purpose cold trap suitable for most routine applications
- · Pressure regulators (U-GAS01) for controlling the supply pressure of dry and carrier gas
- · Controlling software for 32- or 64-bit Windows® compatible PC
- · USB to serial port cable
- · 12 month warranty

Services required:

- · Electricity supply 100-240 V, 50-60 Hz, 650 W
- · 100 mL/min dry air or N2 (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N2 or H2 carrier gas (5-60 psi)

Requires, but does not include:

- \cdot Appropriately configured GC(MS) or alternative analyser with associated data handling
- · PC configured with 32- or 64-bit Windows® and an available USB or serial port
- * For details of maintenance kit contents see Markes TD consumables and accessories catalogue



CIA Advantage Automated Canister

UNITY 2 thermal desorber with latest Canister Interface Accessory. Configured for electronic carrier gas control and cor

SHORT DESCRIPTION	LIST PRICE
CIA Advantage system bundles:	
CIA Advantage T bundle (includes UNITY 2) (4 channels)	\$40,072.32
CIA Advantage HL bundle (includes UNITY 2) (14 channels)	\$52,620.84
CIA Advantage T and CIA Satellite bundle (includes UNITY 2) (17 channels)	\$45,219.06
CIA Advantage HL and CIA Satellite bundle (includes UNITY 2) (27 channels)	\$62,010.36
ADD-ONS FOR EXISTING UNITY 2 SYSTEMS	
CIA Advantage T (4 channels)	\$21,983.40
CIA Advantage HL (14 channels)	\$36,414.36
CIA Satellite (add on to T or HL models for +13 channels)	\$18,772.56
CIA Advantage T plus Satellite (17 channels)	\$40,755.96
CIA Advantage HL plus Satellite (27 channels)	\$55,185.30
Accessories for CIA Advantage system bundles	
TO-Clean Canister Cleaning System with Isothermal Oven 120 VAC	POA
TO-Clean Canister Cleaning System with Isothermal Oven 220-240 VAC	POA
Diluter	POA
Bench Rack (accomodates up to 15 1L canisters)	POA
Maxi Rack (accomodates up to 15 6L canisters)	\$5,665.14
Heated Sample Lines for CIA-A HL & Satellite	POA
Heated Sample Lines for CIA-A Trace	POA
Humidifier	\$772.74
STARTER SYSTEM ACCESSORIES	
Pump 230 V for unpressurised samples	\$936.00
Pump 115 V for unpressurised samples	\$936.00
Optional nafion dryer for humid samples	\$2,309.40
Routine maintenance kit, 3½" for Markes online systems*	\$262.80
Routine maintenance kit, UNITY 2, 31/2", without cold trap*	\$460.80

FULL PRODUCT DESCRIPTION; CIA Advantage Bundles

Method compliant systems for automated canister analysis and desorption of single sample tubes with or without RFID

- Trace (T bundle) including Mass Flow Control (MFC) sample introduction
- Hi/Lo (HL bundle) including, both MFC and loop options for sample introduction

Features

- Operates cryogen-free, for advanced water management, reduced running costs and enhanced productivity.
- 4-27 channels depending on configuration and compatible with all canister/bag types/sizes.
- Compatible with air toxics (canister or bag) in ambient air and soil gas analysis per US EPA Method TO-15 and other
- Heated internal flow paths (up to 200°C) prevent carryover and allow high and trace level samples to be analysed in t
- Thermostated internal standard addition (1 mL loop Inert) for optimal precision
- Fully automated control of sampling flow-rates, times and multi-channel sequencing
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times
- TO-17 compatible tube desorption capability features quantative re-collection for repeat analysis and easily upgraded
- Compatible with any GC(MS) and with all thermal desorption applications

System includes:

- Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- U-T15ATA-2S TO-15/TO-17 Air Toxics applications specific cold trap
- Controlling software for 32- or 64-bit Windows® compatible PC
- Pressure regulators (U-GAS01 x 2) for controlling the supply pressure of dry and carrier gases
- 2 USB to serial port cables
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 1550 W Total
- 100 mL/min dry air or N2 (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He or N2 carrier gas (5-60 psi)

Requires, but does not include:

- Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with 32- or 64-bit Windows® and up to 3 available USB or serial ports

• Installation by a fully trained service engineer

Add ons

CIA Satellite system

Adds an 13 extra channels to T or HL CIA *Advantage* model, features and performance as described for bundles **System includes**

- Transfer line for connection to HL or T system
- 1 x USB to serial port cable
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- \bullet 100 mL/min dry air or N2 (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N2 or H2 carrier gas (5-60 psi, dewpoint < -50°C)

Requires, but does not include:

- CIA Advantage system either T or HL version, plus UNITY 2
- Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with 32-bit Windows® and up to 3 available USB or serial ports
- Installation by a fully trained service engineer
- * For details of Canisters, accessories for canisters and maintenance kit contents see Markes TD consumables and acce

Continuous inline monitoring

Twin trap thermal desorber for continuous monitoring of an air/gas stream with 100% data capture. Connects to all GC brands.

SHORT DESCRIPTION TT24-7 Series 2 twin trap continuous monitoring system - manual split flow control TT24-7 Series 2 twin trap continuous monitoring system - mass flow controlled split	\$42,557.40 \$45,338.40	PART NUMBER U-TT247-2S U-TT247-MFC-2S
STARTER SYSTEM ACCESSORIES Dual regulator (dry gas/carrier gas) pneumatics accessory Pump 115 V for unpressurised samples Pump 230 V for unpressurised samples Mass flow controller (MFC), for electronic control of split flows, 2-500 mL/min (He) Optional nafion dryer for humid samples Routine maintenance kit - TT24-7 Series 1 & 2 (traps to be ordered separately)	\$1,242.00 \$936.00 \$936.00 \$2,781.00 \$2,309.40 \$556.20	U-GAS01 U-ASPM1 U-ASPM2 U-DMFC-2S U-ASDRY RMK-0005
Heated Sampling Line for TT24-7 Series 2 3.5in Tube to 4.5in Tube Conversion kit, UNITY 2 & TT24-7 Series 2, user installable	\$1,030.00 \$1,168.20	U-HSLTT U-35TO45KT
TT24-7 TRAPS: Cold trap, TT24-7, for CW agents (in particular VX), each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, for CW agents (in particular HD), each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, for CW agents (in particular GB/GE analogue of VX), each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, for air toxics, each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, empty for packing, each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, custom packed, each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, for materials emissions, each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, general purpose carbon black, each (<i>NB</i> two required per TT24-7) Cold trap, TT24-7, for ozone precursors, each (<i>NB</i> two required per TT24-7)	\$682.20 \$682.20 \$682.20 \$682.20 \$448.20 \$682.20 \$682.20 \$682.20 \$682.20	T-1VX T-2HD T-3GBGE T-4ATX T-6EMP T-7CUS T-8MAT T-9GPC T-11OP

FULL PRODUCT DESCRIPTION TT24-7

TT24-7 Series 2[™] twin trap thermal desorber for continuous monitoring of gas/air streams.

- Patented twin valve/trap arrangement for continuous monitoring 24 hours a day, 7 days a week
- Cryogen free ideal for unattended remote locations
- Flexible sampling flow range (20-800 ml/min) compatible with high flow short term sampling and low flow longer term sampling
- Flexible outlet split flow range (He 2-500 mL/min; N₂ 2-250 mL/min) compatible with high and low concentration samples
- Electronic mass flow control of sampling flows ensures analytical repeatability
- Compatible with any GC(MS)

- Pre-configured for electronic carrier control (includes parts for deconfiguration if not required)

TT24-7 includes:

- Transfer line and GC/TD cable for connection to any commercial GC/GCMS. NB: GC inlet NOT required
- Controlling software suitable for 32- and 64-bit Windows® compatible PC
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 1200 W
- 100 mL/min dry air or N₂ (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N₂ or H₂ carrier gas (5-60psi)

Requires, but does not include:

- Two cold traps (must be ordered separately)
- Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with 32- or 64-bit Windows® and 1 available USB port
- External pressure regulation (5-60psi carrier gas, 50-60psi dry air), we recommend U-GAS01 accessory
- Non-pressurised sample streams require a suitable pump, we recommend the U-ASPM1 (110 V) or U-ASPM2 (230 V)





Headspace-TD

UNITY 2 thermal desorber for 3.5-inch tubes with headspace module (HS5-TD). Configured for electronic carrier gas control and connects to all GC brands.

SHORT DESCRIPTION UNITY 2 with HS5-TD with manual control of split and desorb flows	LIST PRICE \$29,998.80	PART NUMBER U-UNITY-41-2S	UNITY
STARTER SYSTEM ACCESSORIES			1////
HS5-TD starter kit*	\$1,461.60	U-HSKIT	
Routine maintenance kit, HS5-TD*	\$468.00	RMK-0008	
Routine maintenance kit, UNITY 2, 3½", without cold trap*	\$460.80	RMK-0004-2S	
Calibration solution loading rig	\$583.20	C-CSLR	
			MARKET
ELLL DDODLICT DESCRIPTION LINETY 2 with USE TO			

FULL PRODUCT DESCRIPTION UNITY 2 with HS5-TD

UNITY 2™ with HS5-TD platform thermal desorber for manual headspace analysis and desorption of single sample tubes with or without RFID tags (TubeTAG

- Cryogen-free, compact unit offering compatibility with all TD applications
- Quantitative re-collection of sample for repeat analysis or data/method validation (SecureTD-Q™)
- Compatible with any GC(MS)
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times
- Easily upgraded to 100-tube autosampler (see Series 2 ULTRA options in add-ons) NOTE: ULTRA cannot be operated simultaneously with HS5-TD

Integrated HS5-TD module:

- Headspace with integrated trapping/preconcentration for up to 5 thermostatted 70 mm (~20 mL volume) vials
- Optimum concentration/sensitivity enhancement by vapour transfer in one or multiple steps to focusing trap
- Manual vial selection with insertion of the (inert) sampling needle via a convenient, hand-operated lever mechanism

System includes:

- 5 screw top headspace vials, 10 caps, 10 septa, vial extractor tool, spare needle assembly
- Transfer line and GC/TD cable for connection to any commercial GC or GC/MS. N.B. GC inlet NOT required
- U-T11GPC-2S general purpose cold trap suitable for most routine applications
- Controlling software for 32- or 64-bit Windows® compatible PC
- Pressure regulators (U-GAS01) for controlling the supply pressure of dry and carrier gas
- USB to serial port cable
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- 100 mL/min dry air or N2 (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N2 or H2 carrier gas (5-60 psi)

Requires, but does not include:

- · Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with 32- or 64-bit Windows® and an available USB or serial port
- * For details of 'starter' and maintenance kit contents see Markes TD consumables and accessories catalogue



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Add-ons to existing Markes' systems (field engineer installed)

SHORT DESCRIPTION	LIST PRICE
Mass flow controller (MFC), digital, 2–500 mL/min	\$2,781.00
ISDP accessory for TD-100 (standard and fully automated versions) with regulator (U-GAS03) for purging IS gas "50:50" kit to upgrade TD-100 (standard) to add automated re-collection functionality	\$6,683.40 \$5,729.40
Series 2 ULTRA autosampler for use with UNITY (series 1 or 2) Series 2 ULTRA 50:50 autosampler for use with UNITY 1&2. Includes 50:50 automated re-collection accessory Series 2 ULTRA autosampler for use with UNITY 1&2 with built-in Internal Standard/Dry Purge (ISDP) option Series 2 ULTRA autosampler for use with UNITY 1&2. Includes both ISDP and 50:50 automated re-collection options	\$23,985.00 \$29,714.40 \$30,668.40 \$36,397.80
Connection kit, for adding series 2 ULTRA to a UNITY 2 already configured with Air Server 3/8 TD automation/ULTRA starter kit (includes 160 st st DiffLok caps)*	\$669.60 \$2,748.60
Air Server 3: 3-channel Air Server module for integrating with UNITY 2 Air Server 8: 8-channel Air Server module for integrating with UNITY 2 HS5-TD accessory for UNITY 2	\$9,549.00 \$13,366.80 \$9,549.00

FULL PRODUCT DESCRIPTION SERIES 2 ULTRA AUTOSAMPLER

ULTRA 2™ Autosampler accessory for UNITY (series 1 and 2) for automated operation with up to 100 sample tubes with or without RFID tags (Tuk

- Tubes are sealed while on ULTRA 2, both before and after analysis to preserve sample integrity and prevent contamination of conditioned tubes (DiffLo
- Simple, robust operation (no capping or uncapping required)
- Automated TubeTAG RFID tag read/write option pre-installed

System includes:

- 20 pairs of DiffLok™ analytical end caps 20 inert coated caps (for the sampling/hot end) and 20 stainless steel caps
- ISDP option includes a pressure regulator (U-GASO3) for purging IS gas onto the sample tube
- USB to serial port cable
- 12 month warranty

Services required:

Electricity supply 100-240 V, 50-60 Hz, 650 W

Requires, but does not include:

- UNITY thermal desorber (series 1 or 2)
- PC configured with 32- or 64-bit Windows® and an available USB or serial port
- * For details of 'starter' kit contents see Markes TD consumables and accessories catalogue



PART NUMBER

U-DMFC-2S

U-ISDPKT-TD100 U-5050KT-TD100

U-ULTRAT-XX-2S U-ULTRAT-1X-2S U-ULTRAT-X1-2S U-ULTRAT-11-2S

U-UASK2-2S U-ULKIT

U-AIRSV3-2S U-AIRSV8-2S U-HS5TD



oeTAG™). k™)

Tube conditioner

TC-20 multi-tube conditioner and dry purge unit. Used to clean or dry-purge up to 20 industry standard 3.5-inch tubes simultaneously.

SHORT DESCRIPTION	LIST PRICE	PART NUMBER
TC-20 multi-tube conditioner and dry purge unit, 115 V	\$10,884.60	R-TC20-1
TC-20 multi-tube conditioner and dry purge unit, 230 V	\$10,884.60	R-TC20-2
Single regulator (high purity gas) pneumatics accessory	\$954.00	U-GAS03

FULL PRODUCT DESCRIPTION TC-20

TC-20™ Multi-Tube Conditioning/Dry Purge Unit for up to 20 industry standard ¼-inch O.D. x 3.5-inch TD tubes.

- Conditioning of tubes with gas flowing in the desorption direction
- Dry purging of tubes with gas flowing in the sampling direction at ambient / elevated temperatures
- Up to 20 independent tube positions, but reliable operation with any number of tubes fitted
- Temperature setting from ambient to 400°C in 1°C increments
- Time setting up to 99 hours in 1 minute increments
- User installable

TC-20 includes:

- Charcoal filter to collect tube effluent and prevent contamination of laboratory air
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 270 W
- Pure (5.0 grade or better) helium or nitrogen carrier gas supply must be regulated at between 20-60 psi

Requires, but does not include:

• High quality external gas regulation between cylinder and instrument is required. We recommend the U-GASO3 from Markes

For available range of TC-20 accessories see Markes TD consumables and accessories catalogue





Micro-Chamber/Thermal Extractor (µ-CTE)

Micro-Chamber/Thermal Extractor for testing surface and bulk emissions from products and materials using 4 or 6 inert coated micro-chambers.

Start up kit for M-CTE120I \$5,644.80 M-STUKTI Start up kit for M-CTE250I \$5,841.00 M-STUKT250I Single regulator (high purity gas) pneumatics accessory \$954.00 U-GAS03 Routine maintenance Kit for M-CTE120I* \$178.20 RMK-0006 M-CTE120I M-CTE250I	SHORT DESCRIPTION μ-CTE 120°C, 6 inert micro-chambers (44 mL) μ-CTE 120°C, 6 inert micro-chambers (44 mL) and 6 toggle valves μ-CTE 250°C, 4 inert micro-chambers (114 mL) μ-CTE 250°C, 4 inert micro-chambers (114 mL) and 4 toggle valves STARTER SYSTEM ACCESSORIES	\$18,905.40 \$20,242.80 \$20,797.20 \$23,869.80	PART NUMBER M-CTE120I M-CTE120TI M-CTE250I M-CTE250TI		Supplement of the supplement o
Routine maintenance Kit for M-CTE2501* \$439.20 RMK-0006HT	Start up kit for M-CTE250I Single regulator (high purity gas) pneumatics accessory	\$5,841.00 \$954.00	M-STUKT250I U-GAS03	M-CTE120I	M-CTE250I

FULL PRODUCT DESCRIPTION MICRO-CHAMBER/THERMAL EXTRACTOR

μ-CTE™ provides industry with an easy-to-use quality assurance tool for testing chemical emissions from products and materials.

- Unique (patent pending) technology maintains a constant flow of air through each sample chamber
- · No pump or mass flow controller is required and near ambient pressures are maintained in each test chamber
- Tests can be carried out at ambient or elevated temperatures (model dependent up to 120°C/250°C)
- Total test time (equilibration and vapour sampling), for all 4/6 samples is normally between 30 and 60 minutes
- User installable

µ-CTE includes:

- Complete set of inert micro-chambers (sample pans)
- · Complete set of inert removable lids
- Assorted O-rings for sealing tubes with various O.D. into the micro-chamber (1/4" (6.4 mm), 6 mm and 4 mm 'luer')
- · Assorted aluminium spacers (including sprung) for accommodating materials of varying thicknesses within the micro-chambers
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- Regulated supply of pure air or carrier gas settable 5-60 psi

Requires, but does not include:

- · High quality external gas regulation between cylinder and instrument is required. We recommend the U-GAS03 from Markes
- Conditioned sorbent tubes or DNPH cartridges

START UP KITS M-STUKTI (& M-STUKT250I) INCLUDE:

- 6 (4) inert coated sample pans, each with a detachable sample lid
- 6 (4) tube interface caps
- 6 (4) adjustable depth sprung spacers
- 24 x 1.5 mm depth aluminium spacer discs
- 6 (12) x 5 mm depth aluminium collar spacers
- 6 (8) x 15 mm depth aluminium collar spacers
- 6 (4) liquid sample inserts (PTFE)
- 1 routine maintenance kit (selection of o-rings)
- 20 (10) stainless steel Tenax TA tubes, conditioned/capped
- 1 CapLok tool

MARKES

^{*} For details of maintenance kit contents see Markes TD consumables and accessories catalogue

Thermal desorption for 4.5-inch tubes

UNITY 2 thermal desorber for 4.5-inch x 6 mm O.D. tubes* configured for electronic carrier gas control. Connects to all GC brands.

SHORT DESCRIPTION	LIST PRICE
UNITY 2 for 4.5-inch x 6 mm O.D. tubes with manual control of split and desorb flows	\$23,985.00
UNITY 2 for 4.5-inch x 6 mm O.D. tubes with electronic control of split and desorb flows	\$29,714.40
ULTRA 2 (4-5-inch x 6 mm O.D. tube) autosampler for use with 4.5-inch UNITY 2	\$23,985.00
ULTRA 2 (4.5-inch x 6 mm O.D. tube) autosampler for use with 4.5-inch UNITY 2 with Internal Standard/Dry Purge (ISDP)	\$30,668.40
STARTER SYSTEM ACCESSORIES	
Dual regulator (dry gas/carrier gas) pneumatics accessory	\$1,242.00
Calibration solution loading rig	\$583.20
4.5-inch tube version ULTRA 2 starter kit. Contains 80 stst and 80 Silcosteel DiffLok caps for tubes with 6 mm O.D. ends**	\$4,244.40
Routine maintenance kit, UNITY 2, 4.5-inch, without cold trap**	\$460.80

FULL PRODUCT DESCRIPTION UNITY 2 (4.5-inch tube version)

UNITY 2™ platform thermal desorber for single 4.5-inch (6mm O.D. at ends) sample tubes with or without RFID tags (TubeTAG™).

- Cryogen-free, compact unit offering compatibility with all TD applications
- Quantitative re-collection of sample for repeat analysis or data/method validation (SecureTD-Q™)
- Compatible with any GC(MS) and offers a versatile upgrade path for tube automation
- Configured for electronic carrier gas control (ECC) for stabilisation of retention times

UNITY 2 includes:

- Transfer line and GC/TD cable for connection to any commercial GC/GCMS. NB: GC inlet NOT required
- U-T10CW-2S cold trap for CW agents
- Controlling software for 32- or 64-bit Windows® compatible PC
- USB to serial port cable
- 12 month warranty

Services required:

- Electricity supply 100-240 V, 50-60 Hz, 650 W
- 100 ml/min dry air or N₂ (50-60 psi, dewpoint < -50°C) + pure (5.0 grade or better) He, N₂ or H₂ carrier gas (settable 5-60psi)

Requires, but does not include:

- Appropriately configured GC(MS) or alternative analyser with associated data handling
- PC configured with 32- or 64-bit Windows® and an available USB or serial port
- External pressure regulation for the supply of carrier gas and dry air (5-60psi carrier gas, 50-60psi dry air). We recommend the U-GAS01 accessory

*NOTE: Other tube dimensions may be accommodated e.g. 4.5" x ¼-inch O.D., 4.5" x 8 mm O.D. and 4.5" x 10 mm O.D. with 6 mm O.D. at ends. Please contact Markes directly for further details.

** For details of 'starter' kit and maintenance kit contents see Markes TD consumables and accessories catalogue



PART NUMBER

U-UNITY-XX-XZ U-UNITY-XX-MFC-XZ U-ULTRA-XX-XZ U-ULTRA-X1-XZ

U-GAS01 C-CSLR U-ULKIT-XZ RMK-0004-XZ



STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract #17PSX0210

Delivery: Please see below

Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM # DESCRIPTION OF COMMODITY AND/OR SERVICES

DISTRIBUTOR: Wilbur Technical Services, LLC

· ·

Met One Instruments

See attached price list for Met One Intstruments

Authorized Distributor: Yes

Price List / Catalog Number - All items in price list

Dated: 2017

Price List / Catalog Pages On Which:

Bidding: All

Complete Product Line Offered:

Yes

Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days

per year)

Shipment 45 Days A.R.O.

General Repair Service

\$155.00/per hr on-site \$155.00/per hr off-site



BX-122

BX-126

BX-895

BX-902B-120

BX-902B-220

Met One Instruments, Inc.

1600 Washington Blvd. Grants Pass, Oregon 97526 U.S.A. Telephone 541-471-7111 Facsimile 541-471-7116 e-mail sales@metone.com www.metone.com

\$750.00

\$845.00

\$2,850.00

\$3,700.00

\$3,800.00

AIR SAMPLERS & MONITORS

EFFECTIVE 6/9/2	2017	
AIR MONITORS		
212-1	8 CHANNEL SHEATH AIR PROFILER 0.5 - 10 MICRON	\$3,795.00
212-1	8 CHANNEL SHEATH AIR PROFILER 0.3 - 10 MICRON	\$3,795.00
ES-642	REMOTE PARTICULATE MONITOR	\$2,600.00
E-SAMPLER	DUAL AMBIENT PARTICULATE MONITOR/SAMPLER	\$5,295.00
NPM SENSOR CDM		φο,200.00
NPM SENSOR GSM		
NPM SENSOR SERI	AL NPM SENSOR RS232/RS485	\$1,995.00
AIR SAMPLERS		
E-FRM-120	REFERENCE AIR SAMPLER, 120V PUMP	\$7,800.00
E-FRM-220	REFERENCE AIR SAMPLER, 220V PUMP	\$7,800.00
SASS-120	SPECIATION SAMPLER, SINGLE EVENT, 5 CHANNEL	\$12,995.00
SASS-220	SPECIATION SAMPLER, SINGLE EVENT, 5 CHANNEL	\$12,995.00
S/SASS-120	SUPER SASS SEQUENTIAL SPECIATION SAMPLER, 8 CHANNEL	\$14,995.00
S/SASS-220	SUPER SASS SEQUENTIAL SPECIATION SAMPLER, 8 CHANNEL	\$14,995.00
BETA GAUGES		
BAM 1020	BETA-ATTENUATION MASS MONITOR	\$14,650.00
BAM 1022-120	BETA ATTENUATION PARTICULATE MONITOR, PM2.5	\$18,950.00
BAM 1022-220	BETA ATTENUATION PARTICULATE MONITOR, PM2.5	\$18,950.00
E-BAM	PORTABLE ENVIRONMENTAL BETA-ATTENUATION MASS MONITOR	\$10,500.00
E-BAM PLUS-120	E-BAM PM 10 W/ EXTERNAL PUMP (110-120 VAC)	\$11,950.00
E-BAM PLUS-220	E-BAM PM 10 W/ EXTERNAL PUMP (220-240 VAC)	\$11,950.00
BAM ACCESSOR	RIES	
BX-10	ACCESSORIES FOR PM10 - BAM 1020	\$4,185.00
BX-10 UK	PM10 SAMPLING ACCESSORY KIT, WITHOUT INLET HEATER	\$3,885.00
BX-2.5	ACCESSORIES FOR PM2.5 (NON-FEM) - BAM 1020	\$4,995.00
BX-FEM 2.5A	ACCESSORIES FOR FEM PM 2.5 - BGI VSCC	\$6,590.00
BX-FEM 2.5B	ACCESSORIES FOR FEM PM 2.5B -URG	\$6,590.00
BX-TSP-120	ACCESSORIES FOR TSP - BAM 1020 (110-120 VAC)	\$2,890.00
BX-TSP-220	ACCESSORIES FOR TSP - BAM 1020 (220-240 VAC)	\$2,890.00
BX-COARSE-120	ACCESSORIES FOR FEM PM COARSE - BAM-1020 (110-120 VAC)	\$11,800.00
BX-COARSE-220	ACCESSORIES FOR FEM PM COARSE - BAM-1020 (220-240 VAC)	\$11,800.00
BX-2.5EU	EUROPEAN PM2.5 SAMPLING KIT - BAM-1020	\$6,725.00
BX-10EU	BAM 1020 PM10 EU ACCESSORY KIT	\$4,995.00
BX-100	POWER SUPPLY, 100 VAC, 60 Hz	\$350.00
BX-115	POWER SUPPLY, 115 VAC, 60 Hz	\$260.00
BX-116	POWER SUPPLY, 115 VAC, 50 Hz	\$575.00
BX-230	POWER SUPPLY, 230 VAC, 60 Hz	\$435.00
BX-231	POWER SUPPLY, 230 VAC, 50 Hz	\$435.00
BX-121	PUMP, GAST 115 VAC ±10%, 50/60Hz	\$750.00

Prices subject to change without notice. Printed on 6/9/2017

REAL TIME MODULE (RTM) LIGHT SCATTER MASS TRENDING

WEATHERPROOF ENCLOSURE FOR BAM-1020 - 120V

WEATHERPROOF ENCLOSURE FOR BAM-1020 - 220V

PUMP, GAST 220/230 VAC ±10%, 50/60Hz

PUMP, MEDO 115VAC ±10%, 60Hz



Met One Instruments, Inc.

1600 Washington Blvd. Grants Pass, Oregon 97526 U.S.A. Telephone 541-471-7111 Facsimile 541-471-7116 e-mail sales@metone.com www.metone.com

AIR SAMPLERS & MONITORS

ECT		

BX-902B-AC-120	WEATHERPROOF ENCLOSURE FOR BAM 1020, AIR COND., 120V	\$5,975.00
BX-902B-AC-220	WEATHERPROOF ENCLOSURE FOR BAM 1020, AIR COND., 220V	\$5,975.00
BX-903-120	OUTDOOR ENCLOSURE W/ HEATER, TEMP CONTROL & A/C 120V	\$6,300.00
BX-903-220	OUTDOOR ENCLOSURE W/ HEATER, TEMP CONTROL & A/C 220V	\$6,950.00
BX-904-120	OUTDOOR ENCLOSURE W/ HEATER - 4000 BTU A/C 120V	\$6,950.00
BX-906-120	OUTDOOR ENCL., DOUBLE-WIDE W/ HEATER & A/C 120V	\$9,350.00
BX-906-220	OUTDOOR ENCL., DOUBLE-WIDE W/ HEATER & A/C 220V	\$9,500.00
BX-906C-120	DOUBLE-WIDE OUTDOOR ENCLOSURE W/HEATER, TEMP CONTROL AND A/C 120V,	\$13,225.00
BX-907-120	OUTDOOR ENCLOSURE, NO AIR CONDITIONER, VENT FAN ONLY	\$5,260.00
BX-964	MET TRANSLATOR OPTION	\$975.00
BX-967	AUTOMATIC SPAN MEMBRANE ASSEMBLY	\$975.00
BX-970	BAM-1020 TOUCH SCREEN DISPLAY OPTION	\$550.00

BAM-1020 BETA MASS MONITOR

SERVICE MAINTENANCE, REPAIR, SPARE PARTS

Met One Instruments, Inc.; 1600 NW Washington Blvd.; Grants Pass, OR. 97526 Ph. 541-471-7111; Fax 541-471-7116; E-mail: service@metone.com

BASIC SERVICE(S)

ORDER#	DESCRIPTION	LIST PRICE
SVC8001	FULL DYNAMIC CALIBRATION, BAM-1020	\$ 575.00
	* New Calibration Certificate issued for government agency satisfaction	

When ordering parts for BAM-1020, Please specify Serial Number and Firmware Version on order. Note: Firmware Version is displayed on Main Screen of BAM-1020 Display.

CONSUMABLES

PART#	DESCRIPTION	LIS	ST PRICE
460180	BAM FILTER TAPE (2 1/2 MONTH OPERATION PER TAPE)	\$	55.00
720069	REPLACEMENT O-RING, BAM INTAKE HEAD	\$	2.50
8965	REPLACEMENT O-RINGS, BX-802, PM-10 HEAD	\$	15.00
720097	REPLACEMENT O-RINGS, BX-807 PM2.5 HEAD	\$	25.00
720105	REPLACEMENT O-RINGS, BX-808 VSCC	\$	25.00
720228	REPLACEMENT O-RINGS, BX-809 SCC	\$	25.00
720066	NOZZLE O-RING, .549 ID X .7550D X .103 W	\$	1.00
580291	FILTER ASSY., BAM-1020 INTERNAL, (COMPLETE ASSY)	\$	35.00
580292	FILTER ELEMENT, INTERNAL DEBRIS FILTER	\$	10.00
9122	BAM INLET O-RING KIT	\$	15.00
590811	FUSE, 3.15A, SLO-BLO (5X20MM)	\$	3.00
8150	CORE TUBE, FILTER TAPE, BAM 1020, E-BAM PLUS	\$	7.50
390044	3 VOLT COIN STYLE BATTERY	\$	2.00

FIELD REPLACEABLE PARTS

2443	RS232 CABLE DB9F to DB9F, NULL MODEM	\$ 50.00
8069	ASSY, REFERENCE MEMBRANE	\$ 150.00
80129	REF MEMBRANE MECHANISM ASSY	\$ 350.00
9278	INTERNAL RH SENSOR FOR SMART HEATER	\$ 125.00
580331	REPLACEMENT WATER COLLECTION JAR FOR PM-10 HEAD	\$ 25.00
BX-961	MASS FLOW CONTROL	\$ 670.00
9304	BOARD STACK ASSY, BAM-1020	\$ 1,000.00
9628	BAM COMPLETE DOOR ASSEMBLY	\$ 665.00
80315	POWER SUPPLY MODULE, W/HARNESS, BAM 1020	\$ 175.00
80324	FLOW SENSOR, BAM 1020, 20SLPM	\$ 250.00
80355	NOZZLE REBUILD KIT - Incl. Adj. Shims	\$ 150.00
80679	BAM 1020 REAR PANEL ASSEMBLY	\$ 450.00
BX-592	OUTSIDE TEMP SENSOR, VOLUMETRIC FLOW	\$ 485.00
BX-596	AMBIENT TEMP/BARO COMBO SENSOR	\$ 1,310.00
BX-597	AMBIENT TEMP/RH/BARO COMBO SENSOR	\$ 1,310.00

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FIELD REPLACEABLE PARTS - Continued

*	9279	INTERNAL TEMP SENSOR FOR SMART HEATER	\$ 125.00
*	81493	INTERNAL TEMP SENSOR, BAM 1020	\$ 125.00
	8105-2	GEAR MOTOR 3.75 RPM MODIFIED	\$ 155.00
	8106-1	GEAR MOTOR, 10 RPM, MODIFIED	\$ 165.00
	3110-1	MOTOR DRIVER CIRCUIT BOARD, BAM 1020 V2.	\$ 420.00
	8119	ASSY, PIPE SEAL (ATTACHES TO 8120 FOR ROOF SEAL)	\$ 54.00
	8120	ROOF TOP FLANGE (WELDMENT)	\$ 79.00
	8497	SPOOL COVER ASSY with KNOB, BAM 1020	\$ 25.00
	3150-1	PREAMP CIRCUIT BOARD, CURRENT, BAM V2.	\$ 650.00
	81218	PHOTO SENSOR, BAM 1020 (ALL EXCEPT CAPSTAN)	\$ 5.00
	81219	PHOTO SENSOR, CAPSTAN, BAM 1020	\$ 25.00
	81120	SMART HEATER ELEMENT REPLACEMENT 120V	\$ 450.00
	81121	SMART HEATER ELEMENT REPLACEMENT 220V	\$ 450.00
	9123-1	HEATER INSULATION, (BX-827, BX-830)	\$ 45.00

^{* 9279} used before BAM S/N P22784. For P22784 or Later, use 81493





SERVICE MAINTENANCE TOOLS

BX-302	ZERO CALIBRATOR, WITH ADAPTERS	\$ 360.00
460134	REPLACEMENT 0.2 Micron FILTER FOR BX-302	\$ 180.00
BX-305	INLET ADAPTOR FOR FLOW CALIBRATION	\$ 75.00
BX-307	VOLUMETRIC FLOW CALIBRATION KIT	\$ 3,200.00
BX-308	SERVICE TOOL KIT	\$ 95.00
BX-308-1	SERVICE TOOL KIT / DISTRIBUTOR	\$ 240.00
BX-310	NOZZLE ADJUSTMENT SHIMS	\$ 55.00
995217	APPLICATOR, COTTON TIPPED (6" WOOD STEM/100PK)	\$ 5.00
995712	GREASE, O-RING, DIELECTRIC SILICONE, 5 GRAM PACKETS	\$ 1.50
BX-344	PM10 INLET CLEANING KIT	\$ 80.00

PAGE 2 of 5 9/27/2017

PUMP MAINTENANCE



GAST PUMP

BX-121	PUMP, GAST, 115 VAC ±10%, 50/60 hz	\$ 750.00
BX-122	PUMP, GAST, 220 VAC ±10%, 50 hz	\$ 750.00
680828	BAM PUMP SERVICE KIT, GAST, USED ON BX-121, 122, 131, 132	\$ 110.00
680868	FILTER/MUFFLER, GAST PUMP (AK840A)	\$ 25.00
680854	END CAP ASSY, GAST PUMP (AK526)	\$ 15.00
680870	FOOT SUPPORT, GAST PUMP (AC136)	\$ 50.00
BX-139-1	PUMP CONTROLLER GAST	\$ 175.00



MEDO PUMP

BX-126	PUMP 115 VAC ±10%, 60 hz, MEDO	\$ 845.00
580293	MUFFLER, PUMP-BY-PASS, for MEDO Pump	\$ 5.00
8588	PUMP SERVICE KIT, MEDO PUMP	\$ 35.00
680839	PUMP REBUILD KIT, MEDO PUMP	\$ 170.00
BX-139	PUMP CONTROLLER MEDO	\$ 125.00
	<u> </u>	
960025	PUMP TUBING, POLY., 10mm X 6.5mm ID (Price per/ft)	\$ 1.00

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PERIODIC MAINTENANCE

Monthly Nozzle and Vane Cleaning* Leak Check* Flow Rate Verification Clean Capstan Shaft and Pinch Roller Tires* Clean PM10 Head Clean PM2.5 Inlet Check Error Log* Download Digital Data Log*

Compare BAM-1020 Data to External Datalogger Data (if used)

2 Months Replace Filter Tape

Run SELF-TEST Function
Full Flow Audit and Calibration
Verify BAM-1020 Settings
Set Real-Time Clock

6 months Replace or Clean Pump Muffler (if used)

Test Pump Capacity

Test Filter RH and Filter Temperature sensors

Test Smart Heater

Perform 72 hour BKGD (BX-302 zero filter) test

Annual Clean Internal Debris Filter

Check Membrane Span Foil

Beta Detector Count Rate and Dark Count Test

Clean Inlet Tube

Test Analog DAC Output (if used)

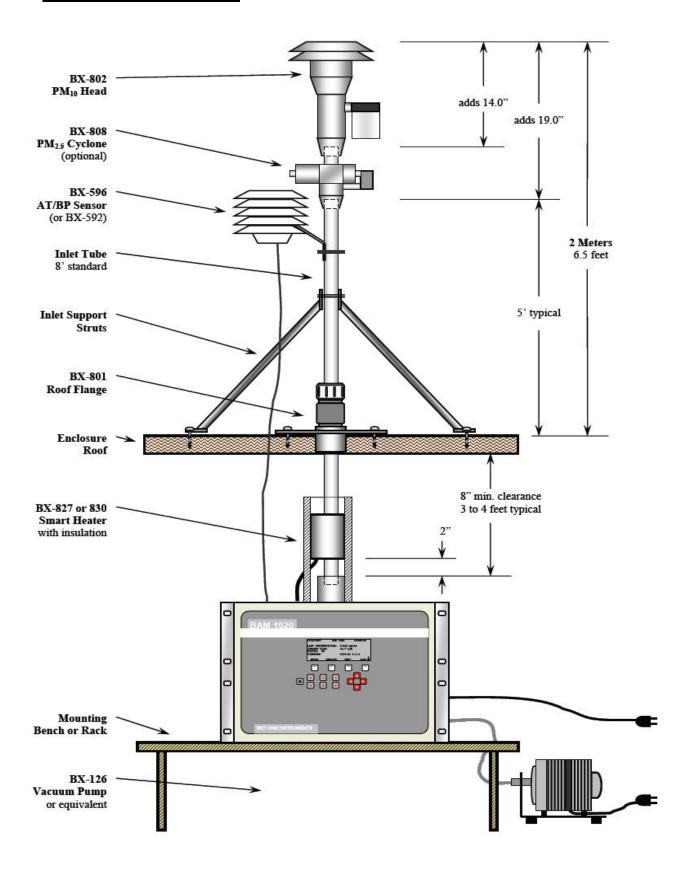
2 Year Rebuild Vacuum Pump*

Replace Nozzle O-ring (Special tools required)

Replace Pump Tubing

PAGE 4 of 5 9/27/2017

TYPICAL INSTALLATION



PAGE 5 of 5 9/27/2017

Contract #17PSX0210 Delivery: Please see below STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: Wilbur Technical Services, LLC ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC Measurement Technology Laboratories (MTL) Price List / Catalog Number - All items in price list Dated: 2017 See attached price list for MTL Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site



10850 Nesbitt Avenue South, Minneapolis, MN 55437

Phone: 1-952-888-0762 Fax: 1-952-881-2236 Email: sales@mtlcorp.com

Introduction

The MTL Autohandler, Model AH-225-6, appears in the photo below.



It will be supplied with the following items:

- Windows-based PC with Windows 7, minimum 21" monitor
- Seven vertical silos for loading and unloading of filters
- Two garage stations for housing lab blanks and metal standards
- Hand held bar code reader (and stand) for use in lab
- Vaisala HMT330 for measuring temperature and relative humidity
- 200 black carriers in which filters are placed, numbered 001 200
- Two NIST-traceable metal standards, 350mg and 420mg, for QC measures other standard weights available upon request

AH-225 System Specifications

<u>General</u>

- Power: 110-240 VAC @ 50/60 Hz
- Dimensions: 42" W x 25" D x 26" H (1067mm x 635mm x 635mm)
- Weighing repeatability
 - o calibration weight: ≤ 1µg standard deviation on 10 repetitive weighings
 - o filter repeatability: ≤ 3 μg standard deviation on 10 repetitive weighings
- Weighing Time per Filter:
 - o Approx. 2 min. on one weighing with a direct read method
 - o Approx. 3 min. on one weighing with an A-B-A drift correction
 - o Approx. 7 min. on a triplicate weighing using A-B-A drift correction
- Electrostatic Discharge Method:
 - \circ Polonium 210 α -particle emission built into weighing chamber
 - Optional Faraday cage for superior control of static
- Data stored to MS SQL database

Weighing Methods

- Direct read method tares balance and records data after receiving a stable reading
- ABA drift corrected method corrects for the balance's tendency to drift over time

Environmental Monitoring

- Real-time monitoring of temperature and relative humidity with time stamps of data on all weighings
- NIST-traceability of measurements and graphical display of historical data

Quality Assurance

- Daily automated balance calibration
- Daily balance repeatability check (for Mettler-Toledo balances only)
- Incorporation of lab blanks with control charting
- Incorporation of systematic weighing of metal laboratory standards to provide a check against systemic error
- Environmental monitoring with historical and control charting; administrator-level ability to stop weighing when environment is out of tolerance

Delivery, Warranty, Ongoing Service

- Product warranty extends one year from date of commissioning
- Delivery schedule typically eight weeks from receipt of purchase order
- Calibration of measurement equipment (e.g. Vaisala and balance) not included in warranty

A Note on Guaranteeing Results

Precision weighing at sub-microgram levels requires proper hardware, proper weighing methods, and a proper environment. The Autohandler and microbalance handle the first two of these requirements. However, MTL cannot warrant that an Autohandler will meet the aforementioned repeatability specifications in a weighing environment that MTL did not create. The client is welcome to travel to Minneapolis and witness a prove-out of the exact unit that it has ordered in MTL's laboratory. But if the client's weighing environment was not engineered by MTL, then we warrant only that the product will work in a proper environment, not in the end client's specific environment.

Microbalance

For six place weighing, MTL is pleased to offer the Mettler Toledo XP6 microbalance. The XP6 has a 6g capacity, 1µg resolution, and 0.8µg repeatability. It is the successor to the older MX5 model. If you prefer to retain your older MX5 and use it with the new MTL Autohandler, that is also possible. The new MTL system is backwards compatible with the MX series of Mettler Toledo equipment, including the MX5 and UMX2.

Pricing and Delivery

The MTL AH225-6 is offered at a price of \$97,290. If you wish to add a new microbalance as well, we offer the Mettler Toledo XP6 at a price of \$24,900. An MTL engineer will be onsite to install your AH225-6 as well as your Mettler Toledo XP6 Balance. If you have any questions about your installation visit or would like an additional service items, please email smoore@mtlcorp.com or kkao@mtlcorp.com.

Salesperson	Job	Shipping Method	Shipping Terms	Effective Date	Payment Terms	Due Date
Kimmie Kao	Autohandler Quote	FDX	N/A	N/A		Invoice

Qty	Item #	Description	Unit Price	Line Total
1	AH225-6	MTL Autohandler, Model AH225-6	\$102,900.00	\$102,900.00
1	XP6	Mettler Toledo XP6 Balance (optional)	\$26,050.00	\$26,050.00
1	IAH225-6	System installation of AH225-6, training and prove out	\$7,300.00	\$7,300.00
1	SHIP	Shipping and handling	\$250.00	\$250.00
			Subtotal	
			Total	\$136,500.00 (options included)

Contract #17PSX0210 Delivery: Please see below STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: Wilbur Technical Services, LLC ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC STEP Price List / Catalog Number - All items in price list Dated: 2017 See attached price list for STEP Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site



STEP ION MOBILITY SPECTROMETERS:

Part #IMS-25R: \$35,000.00

STEP Ion Mobility Spectrometer for ambient air, process gas or continuous stack gas monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: Total Acids, HF, H2S, SOx, TDI, SO2, HCl, Cl2, Br, additional compounds available, contact STEP Analytics for assistance.
- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 138.45mm H (19" L x 17.2" W x 5.5" H)
- Operating range, o-50 degrees C (32-122 degreesF)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19" rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, Dual: (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty

Part #GCIMS-25R: \$40,000.00

STEP Ion Mobility Spectrometer with integrated Gas Chromatography for continuous airborne contamination monitoring: Specific compounds to be calibrated to be determined at time of quotation.

Available compounds: Total Amines, DCM, CMME, BCME, NMP, PSA, NH₃, DEA, TEA, BA; additional compounds available, contact STEP Analytics for assistance.

- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 180mm H (19" L x 17.2" W x 7" H)
- Operating range, 0-50 degrees C (32-122 degrees F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19" rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty







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Part #IMS-25R Dual Mode: \$48,000.00

STEP Ion Mobility Spectrometer for Dual-mode ambient air, process gas or continuous stack gas monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: Up to 5 compounds each in Positive and Negative mode in the 1-100 ppb range.
- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 138.45mm H (19" L x 17.2" W x 5.5" H)
- Operating range, o-50 degrees C (32-122 degrees F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19"rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty

STEP UV-IONIZATION MONITORS:

Part #GC-UVM-25R: \$25,775.00

STEP UV-Ionization Monitor with integrated Gas Chromatography for ambient air, process gas or continuous ambient air monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: additional compounds available, contact STEP Analytics for assistance.
- Range varies and is adjustable according to compound/customer requirements
- Sample time is approximately 2 minutes
- Rack-mounted enclosure, 19" L x 17.2" W x 5.5" H)
- Operating range, 0-100° C (32-122° F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose
- Data Output (front panel):
 - Integrated touchscreen graphic display
- USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty







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Part #GC-UVM-25M: \$23,360.00

STEP Mobile, Battery-Operated UV-Ionization Monitor with integrated Gas Chromatography for continuous process gas or ambient air monitoring: Specific compounds to be calibrated to be determined at time of quotation.

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	Available compounds: additional compounds available, contact STEP Analytics for assistance.
	Range varies and is adjustable according to compound/customer requirements
	Sample time is approximately 2 minutes
•	Mobile enclosure, 480 mm x 130 mm x 350 mm (18.8" x 5.1" x 13.8")
•	Operating range, o-100° C (32-122° F)
	Weight, 8kg (17.7lbs)
	Lithium-lon Battery, mobile operation up to 5 hours
	Classification: Rated for General Purpose
	Data Output:
	 Integrated touchscreen graphic display
	 USB interface, dual; (front panel)
	RS-232/485 and Ethernet
	Mouse & keyboard
	Power, 110-220 VAC
	Supplied in transport case
	1 year factory warranty
ADDI	TIONAL SYSTEM COMPONENTS:
Part #	\$8000P:_\$12,5000.00
Series	8000P Permeation Gas Generator, dual oven:
	19" rack-mounted enclosure, 19" L x 15" W x 7" H)
	Uses disposable LFH or ULED type trace source permeation tubes
•	30-150° C oven standard
	Dilution flow +/- 1% Full Scale Accuracy
	High Precision Mass Flow Controllers Calibrated to ISO 17025 Laboratory Certification
	Calibrated to ISO agos a Laboratory Contification
Ш	Calibrated to ISO 17025 Laboratory Certification
Part #	<u>#ADS-25R:</u> \$12,425.00
Air Dilu	ution System:
	Dilution Factor; adjustable from 1:1-1:100
	Power Supply: 110-230VAC
•	19" Rack-Mounted System
	Flow regulated by Mass Flow Controllers

Part #Nox-Gen-25R: \$6,200.00









Custor	n Sampler for Chlorine Mixed Chamber Monitoring:
	Thermal reactor for converting NO2-NO, adjustable temperature control
	PermaPure Dryer for removing moisture
	Teflon Brushless DC Sample Pump
	Temperature and flow-controlled sampling system

<u>Multi-Point Sampling System:</u> Part # RVMPSS-XX (XX indicating number of sample positions.) Rotary Valve Sampling Systems available from 10-45 ports, Pricing Varies with

sampling positions, see below

Base with choice of Valve Unit:

Custom designed enclosure

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - Valve Unit: 10 sampleing positions (Rotary Valve)
 - -Enclosure (coating)

Valve Unit options

10 Ports	\$28,500.00
18 Ports	\$39,300.00
27 Ports	\$53,700.00
36 Ports	\$66,600.00
45 Ports	\$77,200.00

<u>Multi-Point Sampling System:</u> Part # SVMPSS-XX (XX indicating number of sample positions.) Solenoid Valve Sampling Systems available from 4-32 ports, Pricing Varies with sampling positions, see below

Base with choice of Valve Unit

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - Valve Unit: 10 sampleing positions (Rotary Valve)
 - -Enclosure (coating)
 - 4-20 mA Output (optional)









Valve Unit options

 8 Ports:
 \$26,500.00

 16 Ports
 \$38,500.00

 24 Ports
 \$52,900.00

 32 Ports
 \$65,800.00

Multi-Point Sampling System: Part # SVMPSS-4 (XX indicating number of sample positions.)

Solenoid Valve Sampling Systems available 4 ports, \$12,600.00 Base with choice of Valve Unit

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - 19" rack or glass Fiber enclosure Enclosure
 - 4-20 mA Output (optional)

General Multi sampler options

Stainless Steel enclosure \$4,100.00

Modbus Output \$3,900.00

Ethernet output \$4,100.00

Use of normal PC+19" TFT/LCD (for use on the SCADA system: \$-1,000.00

Part #SSwP-115V: \$640.00

Sample System, including pump:

Dimensions: 18.5"x18.5"x13"

Weight: 2.3 lbs/1 kg

Flow: adjustable from 200-1500 cc/min

Power, 115V/60Jz, 24W, 0.3A

Part #ADDCOM-IMS: \$800.00 per compound

Additional Compounds for IMS device

Part #ADDCOM-GC-IMS: \$800.00 per compound

Additional Compounds for GC-IMS device

SPARE PARTS & CONSUMABLES:

Power Cord: Part #71535K42: \$10.00





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- 18 gauge wire
- Length: 3'

Part #DeviceCase: \$650.00

Custom designed case for device transport

IMS Controller	#4 7 00	
	\$1,700	
IMS 19" Power Supply	\$1, 200	
IMS 19" back wiring	\$950	
IMS 19" In OUT	\$525	
IMS 19" temperature module	\$1, 300	
IMS 19" switching stages	\$1, 600	
IMS 19" high voltage	\$2,400	
Current Loop	\$1, 850	
Minicomputer	\$2,900	
SSD	\$325	
19"detector insert	\$10,725	
IMS HT Detector without amplifier	\$5,000	
Valve	\$250	
PCB Locker Red	\$10	
IMS 19" Housing	\$1,900	<u>SERVI</u>
Set of Hinges for Folding Front Panel	\$35	CE:
PFA Fitting Nut and Sealing Rings for ¼" Tubes \$25		<u>Calibr</u>
		·
Recommended For Annual Maintenance:		<u>ation</u>
Part #IMS-DGP: STEP-IMS Rotary Slide Drift Gas Pump:		<u>Servic</u>
 6 VDS o.og-o.3A Includes hermetic seal & leakage test 		<u>e:</u>
2.6 liters per minute volume flow		\$2 , 10
Max 0.1 bar over pressure	\$525	
Part #IMS-MP6V: STEPGC-IMS Membrane Pump		0.00
• DC-B 6V	#2 6 0	Calibrati
• MPU3395-NMP015	\$360	on
IMS Filter/Scrubber	\$400	check , includin
g report & calibration certificate for one compound		







Span calibration available for additional compounds at \$450.00 per compound



Report Services: Varies

Measurements & reports for designated area at customer facility:

- On-site testing/measurements as designated by customer
- Service period covers approximately 2-3 days, dependent upon customer requirements
- Pricing includes measurement and testing report
- Travel costs are not included in pricing and will be based up customer location
- Report Service-IMS: \$3,500.00
 Calibrated IMS-25R owned by STEP Analytics USA will be used for testing/measurements
- Report Service-GC-IMS: \$4,000.00
 Calibrated GC-IMS-25R owned by STEP Analytics USA will be used for testing/measurements
- Report Service-PID: \$2,600.00
 Calibrated GC-PID25R owned by STEP Analytics USA will be used for testing/measurements

Disposal Service: \$800.00

Disassemble unwanted device, recycle Tritium source, properly dispose of remaining components. Pricing includes disposal certification.

Repair Labor: \$135.00 per hour

Minimum labor service charge is one hour

Shipping & Handling: Varies

Starts at \$150.00/unit for first device Starts at \$50.00/order for all spare parts orders

STEP Analytics USA, Inc. proudly offers KIN-TEK:



World Leader in Low Concentration Gas Standards™

STEP Analytics is proud to be able to act as a reseller for the KIN-TEK Product line to allow us to provide to our customers complete monitoring systems and packages.

For over 40 years, **KIN-TEK** has specialized in:

- Trace concentration (ppm, ppb, and ppt) gas mixtures
- <u>Disposable</u>, <u>refillable</u> and diffusion permeation tubes for over <u>500 chemicals</u>









 Wide array of gas standards generators for solving many real-world applications. Please go to "http://www.kin-tek.com/abgasst.html" to view the KIN-TEK products on their website.

Chemical List

KIN-TEK makes several types of Trace Source™ disposable and refillable permeation tubes for the compounds shown in the following table. For additional details or to obtain a part number suitable for your application, please contact Sales.









STEP GmbH Radiation Measurement Instrumentation:

Surve	<u>y Meter, Part# OD-01:</u> \$5,645.00	
	Display Module Measurement probe with protective cap o.8 M (2.6 foot) connecting cable Instruction Manual Device calibration certificate Storage case	
Surve	<u>y Meter, Part# OD-02:</u> \$5,860.00	
	Display Module Measurement probe with protective cap o.8 M (2.6 foot) connecting cable Instruction Manual Device calibration certificate Storage case	
0[Device Options	
	5M (16 Foot) connecting cable for measurement probe: \$585.00 10M (32 Foot) connecting cable for measurement probe 15M (49 Foot) connecting cable for measurement probe 50M (164 Foot) connecting cable for measurement probe Moderator cap 9Acrylic glass shield) for high-energy applications of the X-Ray/Gamma Dosimeter in the photon energy range > 15N Wall mount	
OD-o	and OD-o2 Analysis Software for PC: Compatible with Windows 2000 and Windows XP Real-time recording of STEP Survey meter readings via USB interf Acquisition and representation of the device current mode (Dose, Presentation of readings in scalable charts with zoom function Output of the chart to printable format Recording of measurement data to separate files Loading and Display options for stored measurement files Includes USB cable for connection to OD-o1 and OD-o2	ace
Area I	Dose rate Meter, Part# BD-01: \$(see Instruction Manual	pelow)









	Device calibration certificate Carry bag with shoulder strap for portable use Battery Storage case		
<u>Ar</u>	<u>rea Dose rate Meter, Part# BD-01:</u> Opt Dose Rate 20 μSv/h to 200 mSv/H (standard configuration) Dose Rate 2 μSv/h to 20 mSv/H (custom design (BD-01 ND)	:	\$5,535.00 \$6,145.00
OI	D Device Options 50M (164 Foot) connecting cable for measurement probe Wall Mount 15M (49 Foot) connecting cable for measurement probe 50M (164 Foot) connecting cable for measurement probe Additional costs for modification of power supply	: \$895.00 : \$610.00 : \$765.00 : \$895.00 : \$680.00	
Surve	Survey Meter, Part# SM 3 D: \$850.00 Survey Meter with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 5 D: \$1,135.00 Survey Meter with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 7 D: \$1,135.00 Survey Meter, SM7D with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 7 D USB-with evaluation Software USB cable and evaluation Software Instruction Manual Device calibration certificate Storage case	uation S	Software: \$1,435.00

Survey Meter, Part# SM 8 D USB-with evaluation Software: \$1,575.00









	Survey Meter, SM8D with USB port and battery USB cable and evaluation Software Instruction Manual Device calibration certificate Storage case
Radia	tion Monitoring System Part# DLMon / RMon: Project based pricing available on
request	Intelligent radiation detector Type SON16 for monitoring of patients; Mounting options —Overhead across bed (for thyroid monitoring) - Overhead along bed (for full body monitoring)
	Intelligent radiation detector Type SON31 for monitoring doors Intelligent display unit Type AT1-1 Intelligent display unit Type AT1-2
Acce	Serial bus connection hub Serial PCI card for PC; RS-485 interface PCI 485 ½; 2x Serial RS 485: optical isolation All cables (pre assembled for specified layout) Power supply for all detectors ad display modules, 12V 60W protection class @@ Serial bus cable to PC unit Host PC Software DLMon or RMon (server) License for Client-Software- Module DLMon or RMon
Wireless- Dose rate Measurement System RMon 2 Part# RMon 2: Project based pricing available on request Intelligent radiation detector Type SON41 Intelligent display unit Type AT-NG41	







Contract #17PSX0210 Delivery: Please see below STATE OF CONNECTICUT PROCUREMENT SERVICES Terms: Net 45 Days EXHIBIT B- PRICE SCHEDULE Contractor Name: Wilbur Technical Services, LLC ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC STEP Price List / Catalog Number - All items in price list Dated: 2017 See attached price list for STEP Price List / Catalog Pages On Which: Bidding: All Complete Product Line Offered: Yes Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days per year) Shipment 45 Days A.R.O. General Repair Service \$155.00/per hr on-site \$155.00/per hr off-site



STEP ION MOBILITY SPECTROMETERS:

Part #IMS-25R: \$35,000.00

STEP Ion Mobility Spectrometer for ambient air, process gas or continuous stack gas monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: Total Acids, HF, H2S, SOx, TDI, SO2, HCl, Cl2, Br, additional compounds available, contact STEP Analytics for assistance.
- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 138.45mm H (19" L x 17.2" W x 5.5" H)
- Operating range, o-50 degrees C (32-122 degrees F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19" rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, Dual: (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty

Part #GCIMS-25R: \$40,000.00

STEP Ion Mobility Spectrometer with integrated Gas Chromatography for continuous airborne contamination monitoring: Specific compounds to be calibrated to be determined at time of quotation.

Available compounds: Total Amines, DCM, CMME, BCME, NMP, PSA, NH₃, DEA, TEA, BA; additional compounds available, contact STEP Analytics for assistance.

- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 180mm H (19" L x 17.2" W x 7" H)
- Operating range, 0-50 degrees C (32-122 degrees F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19" rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty







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Part #IMS-25R Dual Mode: \$48,000.00

STEP Ion Mobility Spectrometer for Dual-mode ambient air, process gas or continuous stack gas monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: Up to 5 compounds each in Positive and Negative mode in the 1-100 ppb range.
- Range varies and is adjustable according to compound/customer requirements
- Rack-mounted enclosure, 482.7mm L x 434.5mm W x 138.45mm H (19" L x 17.2" W x 5.5" H)
- Operating range, o-50 degrees C (32-122 degrees F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose, 19"rack-mounted
- Data Output (front panel):
 - Integrated touchscreen graphic display
 - USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - Modbus RTU/ASCII/TCP/IP
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty

STEP UV-IONIZATION MONITORS:

Part #GC-UVM-25R: \$25,775.00

STEP UV-Ionization Monitor with integrated Gas Chromatography for ambient air, process gas or continuous ambient air monitoring: Specific compounds to be calibrated to be determined at time of quotation.

- Available compounds: additional compounds available, contact STEP Analytics for assistance.
- Range varies and is adjustable according to compound/customer requirements
- Sample time is approximately 2 minutes
- Rack-mounted enclosure, 19" L x 17.2" W x 5.5" H)
- Operating range, 0-100° C (32-122° F)
- Weight, 10.5kg (23.2lbs)
- Classification: Rated for General Purpose
- Data Output (front panel):
 - Integrated touchscreen graphic display
- USB interface, dual; (front panel)
- Connectors (back panel):
 - Fault alarm
 - Trigger in
 - 4-20mA (analog)
 - OPC UA/DA
 - RS-232/485 and Ethernet
- Power, 110-220 VAC 50-60Hz
- 1 year factory warranty







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Part #GC-UVM-25M: \$23,360.00

STEP Mobile, Battery-Operated UV-Ionization Monitor with integrated Gas Chromatography for continuous process gas or ambient air monitoring: Specific compounds to be calibrated to be determined at time of quotation.

ac cirric .	or quotation.
	Available compounds: additional compounds available, contact STEP Analytics for assistance.
	Range varies and is adjustable according to compound/customer requirements
	Sample time is approximately 2 minutes
•	Mobile enclosure, 480 mm x 130 mm x 350 mm (18.8" x 5.1" x 13.8")
•	Operating range, o-100° C (32-122° F)
	Weight, 8kg (17.7lbs)
	Lithium-lon Battery, mobile operation up to 5 hours
	Classification: Rated for General Purpose
	Data Output:
	 Integrated touchscreen graphic display
	 USB interface, dual; (front panel)
	RS-232/485 and Ethernet
	Mouse & keyboard
	Power, 110-220 VAC
	Supplied in transport case
	1 year factory warranty
ADDI	TIONAL SYSTEM COMPONENTS:
Part #	\$8000P:_\$12,5000.00
Series	8000P Permeation Gas Generator, dual oven:
	19" rack-mounted enclosure, 19" L x 15" W x 7" H)
	Uses disposable LFH or ULED type trace source permeation tubes
•	30-150° C oven standard
	Dilution flow +/- 1% Full Scale Accuracy
	High Precision Mass Flow Controllers Calibrated to ISO 17025 Laboratory Certification
	Calibrated to ISO agos a Laboratory Contification
Ш	Calibrated to ISO 17025 Laboratory Certification
Part #	<u>#ADS-25R:</u> \$12,425.00
Air Dilu	ution System:
	Dilution Factor; adjustable from 1:1-1:100
	Power Supply: 110-230VAC
•	19" Rack-Mounted System
	Flow regulated by Mass Flow Controllers

Part #Nox-Gen-25R: \$6,200.00









Custor	n Sampler for Chlorine Mixed Chamber Monitoring:
	Thermal reactor for converting NO2-NO, adjustable temperature control
	PermaPure Dryer for removing moisture
	Teflon Brushless DC Sample Pump
	Temperature and flow-controlled sampling system

<u>Multi-Point Sampling System:</u> Part # RVMPSS-XX (XX indicating number of sample positions.) Rotary Valve Sampling Systems available from 10-45 ports, Pricing Varies with

sampling positions, see below

Base with choice of Valve Unit:

Custom designed enclosure

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - Valve Unit: 10 sampleing positions (Rotary Valve)
 - -Enclosure (coating)

Valve Unit options

10 Ports	\$28,500.00
18 Ports	\$39,300.00
27 Ports	\$53,700.00
36 Ports	\$66,600.00
45 Ports	\$77,200.00

<u>Multi-Point Sampling System:</u> Part # SVMPSS-XX (XX indicating number of sample positions.) Solenoid Valve Sampling Systems available from 4-32 ports, Pricing Varies with sampling positions, see below

Base with choice of Valve Unit

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - Valve Unit: 10 sampleing positions (Rotary Valve)
 - -Enclosure (coating)
 - 4-20 mA Output (optional)









Valve Unit options

 8 Ports:
 \$26,500.00

 16 Ports
 \$38,500.00

 24 Ports
 \$52,900.00

 32 Ports
 \$65,800.00

Multi-Point Sampling System: Part # SVMPSS-4 (XX indicating number of sample positions.)

Solenoid Valve Sampling Systems available 4 ports, \$12,600.00 Base with choice of Valve Unit

- Base Unit:
 - -Compmete Windows workstation for system control
 - -HMIS Software with touch screen interface
 - -MODBUS Communication software
 - -Ethernet/IP Output
 - 19" rack or glass Fiber enclosure Enclosure
 - 4-20 mA Output (optional)

General Multi sampler options

Stainless Steel enclosure \$4,100.00

Modbus Output \$3,900.00

Ethernet output \$4,100.00

Use of normal PC+19" TFT/LCD (for use on the SCADA system: \$-1,000.00

Part #SSwP-115V: \$640.00

Sample System, including pump:

Dimensions: 18.5"x18.5"x13"

Weight: 2.3 lbs/1 kg

Flow: adjustable from 200-1500 cc/min

Power, 115V/60Jz, 24W, 0.3A

Part #ADDCOM-IMS: \$800.00 per compound

Additional Compounds for IMS device

Part #ADDCOM-GC-IMS: \$800.00 per compound

Additional Compounds for GC-IMS device

SPARE PARTS & CONSUMABLES:

Power Cord: Part #71535K42: \$10.00





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- 18 gauge wire
- Length: 3'

Part #DeviceCase: \$650.00

Custom designed case for device transport

IMS Controller	#4 7 00	
	\$1,700	
IMS 19" Power Supply	\$1, 200	
IMS 19" back wiring	\$950	
IMS 19" In OUT	\$525	
IMS 19" temperature module	\$1, 300	
IMS 19" switching stages	\$1, 600	
IMS 19" high voltage	\$2,400	
Current Loop	\$1, 850	
Minicomputer	\$2,900	
SSD	\$325	
19"detector insert	\$10,725	
IMS HT Detector without amplifier	\$5,000	
Valve	\$250	
PCB Locker Red	\$10	
IMS 19" Housing	\$1,900	<u>SERVI</u>
Set of Hinges for Folding Front Panel	\$35	CE:
PFA Fitting Nut and Sealing Rings for ¼" Tubes \$25		<u>Calibr</u>
		·
Recommended For Annual Maintenance:		<u>ation</u>
Part #IMS-DGP: STEP-IMS Rotary Slide Drift Gas Pump:		<u>Servic</u>
 6 VDS o.og-o.3A Includes hermetic seal & leakage test 		<u>e:</u>
2.6 liters per minute volume flow		\$2 , 10
Max 0.1 bar over pressure	\$525	
Part #IMS-MP6V: STEPGC-IMS Membrane Pump		0.00
• DC-B 6V	#2 6 0	Calibrati
• MPU3395-NMP015	\$360	on
IMS Filter/Scrubber	\$400	check , includin
g report & calibration certificate for one compound		







Span calibration available for additional compounds at \$450.00 per compound



Report Services: Varies

Measurements & reports for designated area at customer facility:

- On-site testing/measurements as designated by customer
- Service period covers approximately 2-3 days, dependent upon customer requirements
- Pricing includes measurement and testing report
- Travel costs are not included in pricing and will be based up customer location
- Report Service-IMS: \$3,500.00
 Calibrated IMS-25R owned by STEP Analytics USA will be used for testing/measurements
- Report Service-GC-IMS: \$4,000.00
 Calibrated GC-IMS-25R owned by STEP Analytics USA will be used for testing/measurements
- Report Service-PID: \$2,600.00
 Calibrated GC-PID25R owned by STEP Analytics USA will be used for testing/measurements

Disposal Service: \$800.00

Disassemble unwanted device, recycle Tritium source, properly dispose of remaining components. Pricing includes disposal certification.

Repair Labor: \$135.00 per hour

Minimum labor service charge is one hour

Shipping & Handling: Varies

Starts at \$150.00/unit for first device Starts at \$50.00/order for all spare parts orders

STEP Analytics USA, Inc. proudly offers KIN-TEK:



World Leader in Low Concentration Gas Standards™

STEP Analytics is proud to be able to act as a reseller for the KIN-TEK Product line to allow us to provide to our customers complete monitoring systems and packages.

For over 40 years, **KIN-TEK** has specialized in:

- Trace concentration (ppm, ppb, and ppt) gas mixtures
- <u>Disposable</u>, <u>refillable</u> and diffusion permeation tubes for over <u>500 chemicals</u>









 Wide array of gas standards generators for solving many real-world applications. Please go to "http://www.kin-tek.com/abgasst.html" to view the KIN-TEK products on their website.

Chemical List

KIN-TEK makes several types of Trace Source™ disposable and refillable permeation tubes for the compounds shown in the following table. For additional details or to obtain a part number suitable for your application, please contact Sales.









STEP GmbH Radiation Measurement Instrumentation:

Surve	<u>y Meter, Part# OD-01:</u> \$5,645.00	
	Display Module Measurement probe with protective cap o.8 M (2.6 foot) connecting cable Instruction Manual Device calibration certificate Storage case	
Surve	<u>y Meter, Part# OD-02:</u> \$5,860.00	
	Display Module Measurement probe with protective cap o.8 M (2.6 foot) connecting cable Instruction Manual Device calibration certificate Storage case	
O	Device Options	
	5M (16 Foot) connecting cable for measurement probe: \$585.00 10M (32 Foot) connecting cable for measurement probe 15M (49 Foot) connecting cable for measurement probe 50M (164 Foot) connecting cable for measurement probe Moderator cap 9Acrylic glass shield) for high-energy applications of the X-Ray/Gamma Dosimeter in the photon energy range > 15N Wall mount	
OD-o	and OD-o2 Analysis Software for PC: Compatible with Windows 2000 and Windows XP Real-time recording of STEP Survey meter readings via USB interf Acquisition and representation of the device current mode (Dose, Presentation of readings in scalable charts with zoom function Output of the chart to printable format Recording of measurement data to separate files Loading and Display options for stored measurement files Includes USB cable for connection to OD-o1 and OD-o2	ace
Area I	Dose rate Meter, Part# BD-01: \$(see Instruction Manual	pelow)









	Device calibration certificate Carry bag with shoulder strap for portable use Battery Storage case		
<u>Ar</u>	<u>rea Dose rate Meter, Part# BD-01:</u> Opt Dose Rate 20 μSv/h to 200 mSv/H (standard configuration) Dose Rate 2 μSv/h to 20 mSv/H (custom design (BD-01 ND)	:	\$5,535.00 \$6,145.00
OI	D Device Options 50M (164 Foot) connecting cable for measurement probe Wall Mount 15M (49 Foot) connecting cable for measurement probe 50M (164 Foot) connecting cable for measurement probe Additional costs for modification of power supply	: \$895.00 : \$610.00 : \$765.00 : \$895.00 : \$680.00	
Surve	Survey Meter, Part# SM 3 D: \$850.00 Survey Meter with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 5 D: \$1,135.00 Survey Meter with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 7 D: \$1,135.00 Survey Meter, SM7D with battery Instruction Manual Device calibration certificate Storage case		
Surve	Survey Meter, Part# SM 7 D USB-with evaluation Software USB cable and evaluation Software Instruction Manual Device calibration certificate Storage case	uation S	Software: \$1,435.00

Survey Meter, Part# SM 8 D USB-with evaluation Software: \$1,575.00









	Survey Meter, SM8D with USB port and battery USB cable and evaluation Software Instruction Manual Device calibration certificate Storage case
Radia	tion Monitoring System Part# DLMon / RMon: Project based pricing available on
request	Intelligent radiation detector Type SON16 for monitoring of patients; Mounting options —Overhead across bed (for thyroid monitoring) - Overhead along bed (for full body monitoring)
	Intelligent radiation detector Type SON31 for monitoring doors Intelligent display unit Type AT1-1 Intelligent display unit Type AT1-2
Acce	Serial bus connection hub Serial PCI card for PC; RS-485 interface PCI 485 ½; 2x Serial RS 485: optical isolation All cables (pre assembled for specified layout) Power supply for all detectors ad display modules, 12V 60W protection class @@ Serial bus cable to PC unit Host PC Software DLMon or RMon (server) License for Client-Software- Module DLMon or RMon
	ess- Dose rate Measurement System RMon 2 Part# RMon 2: Project based ailable on request Intelligent radiation detector Type SON41 Intelligent display unit Type AT-NG41









STANDARD LIMITED WARRANTY

- General Warranty: STEP Analytics USA, Inc. (STEP USA) warrants products manufactured by STEP Sensortechnik und Elektronik Pockau GmbH (STEP GmbH) and sold by STEP USA to be free from defects in materials and workmanship for the periods listed in the tables below.
 - 1.1. Warranty Exclusions: This warranty is expressly limited to the original owner who purchases the equipment directly from STEP USA or from an authorized STEP USA Distributor. To maintain this limited warranty, the product must be operated, calibrated, and maintained in accordance with the Operation and Maintenance Manual supplied with the product. This warranty is contingent upon customer's proper use of the product in the application and operating environment for which they were intended by STEP USA and is not applicable to any products that have been modified or subjected to unusual physical, environmental, or electrical stress, or for which the original identification marks have been removed or altered. These warranty provisions do not apply to any damage resulting from malicious damage, negligence, unauthorized maintenance or modification, accident, neglect, misuse, improper servicing, transportation, or normal wear and tear of the equipment. In addition, this warranty specifically excludes loss or damage to third parties and consequential damages of any kind. Determination as to whether this warranty provision applies to damaged goods shall reside solely with STEP USA. Disposition of any damaged goods deemed outside of this provision shall be the responsibility of customer. Consumable components used during regular operation of device are not covered under warranty. Scrubbers/filters drift gas pumps and membrane pumps are considered to be consumable and should be replaced at regular recommended intervals as recommended in product manual during normal device operation.
 - 1.2. **Return Policy:** In the event of discovery of a defective product, customer shall notify STEP USA, obtain a return authorization (RMA) for the defective product from STEP USA, and return the defective product to STEP's designated repair facility, freight prepaid, with a statement describing the defect. STEP USA requires prior approval via our RMA system before the product can be accepted. STEP USA's exclusive obligation and sole liability with respect to a defective product, and customer's sole remedy, is to either repair or replace at its sole discretion, any detector(s) or other product(s) which under proper and normal use prove defective in material and/or workmanship within the time periods of the tables below. Those items repaired or replaced by STEP USA under warranty shall be returned to customer transportation charges prepaid. Repaired or replaced items shall only be warranted for the remaining duration of the original item. Those items that are deemed by STEP USA not to be defective or are determined to have failed due to misuse or abuse shall be returned to customer at customer's expense, if the customer chooses not to pay for reasonable repairs.
 - 1.3. **Disclaimer of Implied Warranties:** The express warranties contained in this agreement are the sole and exclusive warranties provided by STEP USA. STEP USA specifically disclaims any other warranties, express or implied including but not limited to warranties of merchantability or fitness for a particular purpose, as well as any warranties alleged to have arisen from custom, usage, or past dealings between the parties.

STEP USA Standard Limited Warranty covers the instrument and its critical components as follows:

<u>Instruments</u>	Warranty Period
IMS/GC-IMS/GC-UVM/Dilution Systems: I-PC, cell detector (IMS), UV source monitor	One (1) year from purchase ¹
Instrument Components (Fixed/Non-Consumable)	Warranty Period
IMS/GC-IMS/GC-UVM/Dilution Systems: valve, rechargeable battery (mobile unit)	One (1) year from purchase ¹
Consumable components: Scrubbers/filters, drift gas pumps, membrane pumps	No warranty for consumables

1STEP USA One Year Warranty covers specific parts only. An instrument that has a failure of a covered component often requires other services that may not be covered under warranty









Warranty Matrix

Warranty is from date of shipment. Any major component not specifically identified below is covered under the Standard Limited Warranty for the instrument.

			Sensors
<u>Product</u>	Instrument [°] Component [△]		IMS/PID
IMS/GC-IMS/GC-UVM	One (1) year	One (1) Year	One (1) Year

 $^{^{\}circ}$ Product electronics, switch panels, enclosures, displays, Δ Scrubber, pumps, rechargeable batteries

STEP Analytics USA, Inc. GENERAL TERMS AND CONDITIONS OF SALE

The following terms and conditions of sale apply to all contracts and purchase orders placed with STEP Analytics USA Inc., unless precedent by other mutually acceptable terms and conditions which have been formally accepted in writing by an Officer of STEP Analytics USA, Inc.

Terms and Conditions of Sale:

- 1.1. Invoicing: STEP Analytics USA, Inc. (hereinafter referred to as "STEP USA") shall invoice customer for the purchase price of the products upon STEP USA's delivery of the products to the carrier. Each shipment shall be invoiced and paid for when due without regard to other scheduled deliveries. All invoices shall be due and payable within thirty (30) days after the date of the invoice.
- 1.2. Late Payment Charges: Any late payment by customer not received by the agreed Net 30 terms shall be subject to a late payment charge from the date due until paid in full at a rate equal at all times to one and one-half percent (1.5%) per month or, if lower, the highest rate permitted by law. Payment received beyond 60 days of invoice date shall be subject to a late payment charge from the date due until paid in full at a rate equal at all time to three and one-half percent (3.5%) per month or, if lower, the highest rate permitted by law.
- 1.3. Shipping: All shipments will be made EXW (Ex Works), within the meaning of INCOTERMS 2000, to ship to address specified on the customer's purchase order (PO). Delivery will be deemed complete and risk of loss or damage to the product(s) will pass to upon delivery to the carrier. All shipping and handling charges shall be as specified by the prevailing product price list established by STEP USA at the time the order is accepted unless otherwise agreed by STEP USA in writing. The carrier will be selected by STEP USA, in its reasonable commercial discretion, only in the absence of specific instructions by customer. STEP USA will comply with all shipping instructions specified by customer.
- 1.4. Taxes: Unless otherwise agreed to in writing by STEP USA, all prices quoted are exclusive of transportation and insurance costs, and all taxes (as defined below). In addition to any other payments due, customer agrees to pay, indemnify and hold STEP USA harmless from any sales, use, excise, import or export, value-added or similar tax or duty, and any other tax not based on STEP USA's net income, including any penalties and interest, due to any payment to be made by customer, and any costs associated with the collection or withholding of any of the foregoing items (the "taxes"). When applicable, such taxes shall appear as separate items on STEP USA's invoice.
- 1.5. Acceptance: The product(s) shall be deemed accepted by customer upon delivery to the carrier unless a notice of defect is received by STEP USA within thirty (30) days after the delivery of the product(s) to the customer. STEP does not accept returns for refund, credit or exchange for any reason.









- 1.6. Cancellation: In the event the customer should cancel a purchase order placed with STEP USA, customer agrees to pay STEP USA a cancellation fee at a rate equal at all times to fifteen percent (15%) of the total purchase price listed on the customer purchase order. Payment of said cancellation fee is due upon receipt and subject to late payment charges as stated in the accepted STEP USA Terms and Conditions of Sale, Section 1, Subsection 2.
- 2. Property Rights and Confidentiality:
 - 2.1. **Property Rights:** Customer agrees that STEP owns all right, title, and interest in the intellectual property rights in and to the Products. There are no implied rights.
 - 2.2. Sale Conveys No Right to Manufacture or Copy: The Products are offered for sale and are sold by STEP subject in every case to the condition that such sale does not convey any license, expressly or by implication, to manufacture, disassemble duplicate or otherwise copy or reproduce any of the Products. Customer shall take appropriate steps with its customers, as STEP may request, to inform them of and assure compliance with the restrictions contained in this Subsection.
 - 2.3. **General Warranty:** STEP USA warrants to the customer that products manufactured or sold by STEP Sensortechnik und Elektronik Pockau GmbH (STEP GmbH) and sold by STEP USA are free from defects in materials and workmanship. STEP USA's standard warranty period is one calendar year (12 months) from the original shipping date. Extended warranties may be available upon request.
 - 2.4. Warranty Exclusions: This warranty is contingent upon customer's proper use of the detectors and/or other products in the application and operating environment for which they were intended by STEP USA and is not applicable to any products that have been modified or subjected to unusual physical, environmental, or electrical stress, or for which the original identification marks have been removed or altered. These warranty provisions do not apply to any damage resulting from malicious damage, negligence, unauthorized maintenance or modification, accident, neglect, misuse, improper servicing, transportation, or normal wear and tear of the equipment. In addition, this warranty specifically excludes loss or damage to third parties and consequential damages of any kind. Determination as to whether this warranty provision applies to damaged goods shall reside solely with STEP. Disposition of any damaged goods deemed outside of this provision shall be the responsibility of customer.
 - 2.5. **Return Policy:** In the event of discovery of a defective product, customer shall notify STEP USA, obtain a return authorization (RMA) for the defective product from STEP USA, and return the defective product to STEP USA's designated repair facility, freight prepaid, with a statement describing the defect. STEP USA requires prior approval via our RMA system before the product can be accepted. STEP USA's exclusive obligation and sole liability with respect to a defective product, and customer's sole remedy, is to either repair or replace at its sole discretion, any detector(s) or other product(s) which under proper and normal use prove defective in material and/or workmanship within twelve (12) months after shipment. Those items repaired or replaced by STEP USA under warranty shall be returned to customer transportation charges prepaid. Repaired or replaced items shall only be warranted for the remaining duration of the original item. Those items that are deemed by STEP USA not to be defective or are determined to have failed due to misuse or abuse shall be returned to customer at customer's expense, if the customer chooses not to pay for reasonable repairs.
 - 2.6. **Disclaimer of implied warranties:** The express warranties contained in this agreement are the sole and exclusive warranties provided by STEP USA. STEP USA specifically disclaims any other warranties, express or implied including but not limited to warranties of merchantability or fitness for a particular purpose, as well as any warranties alleged to have arisen from custom, usage, or past dealings between the parties.
- 3. Limitation of Liability: STEP USA's total liability to customer and all liabilities arising out of or related to this agreement, from any cause or causes, and regardless of the legal theory, including breach of contract, warranty, negligence, strict liability, or statutory liability, shall not, in the aggregate, exceed the amounts paid to STEP USA under the agreement, or under the specific delivery order at issue, whichever is less. In no event shall either STEP USA or customer be liable to the other for any special, indirect, incidental, consequential, or economic damages (including, but not limited to lost profits and lost business opportunity), regardless of the legal theory under which such damages are sought, and even if the parties have been advised









of the possibility of such damages. Any claim by customer against STEP USA relating to this agreement, other than in warranty, must be made in writing and presented to STEP USA within one (1) year after the earlier of: (1) the date on which customer accepts the deliverable at issue; or (2) the date on which STEP USA completes performance of the services specified in this agreement. Any claim under warranty must be made within the time specified in the applicable warranty clause.

- 4. Indemnification: Customer shall indemnify, defend and hold STEP USA harmless from all claims, damages, expenses, liabilities and losses, including without limitation attorney's fees and costs incurred that in any way arise out of or relate to (a) the manner in which customer and/or any of its customers or end users use or operate the detectors and/or other products; (b) any personal injuries, property damages or other losses resulting or occurring from the willful or negligent acts or omissions of customer, its customers or end users; (c) defects or other problems with other component parts, equipment or materials produced or supplied by anyone other than STEP USA and that may be used with the detectors and or other products; and/or (d) customer's transactions with its customers, end users or other parties regarding the analyzers and/or other products.
- 5. End user certification: STEP USA products sold in North America are licensed solely for use by end-users in the USA:

 STEP products may be partially or wholly manufactured in Germany, and have been approved for export to US end-users only.

 STEP USA products sold/distributed in North America may not be sold or transferred in any manner to an end-user outside of the US without prior written permission from a company officer of STEP USA, and STEP USA reserves the right to refuse sale or transfer of products to end-users outside North America without recourse. STEP USA reserves the right to require an executed, legally binding end-user certification in a form which is acceptable to the company prior to accepting any order.

 STEP USA reserves the right to refuse or cancel any order which it believes is not meeting the above requirement.









STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract	#17PSX0210	١
Commaci	#1/F3AU210	,

Delivery: Please see below

Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM# DESCRIPTION OF COMMODITY AND/OR SERVICES Authorized Distributor: Yes DISTRIBUTOR: Wilbur Technical Services, LLC

Synspec

See attached price list for STEP

Price List / Catalog Number - All items in price list

Dated: 2017

Price List / Catalog Pages On Which:

Bidding: All

Complete Product Line Offered:

Yes

Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days

per year)

Shipment 45 Days A.R.O.

General Repair Service

\$155.00/per hr on-site \$155.00/per hr off-site

P/N	Description	Type of GC	Distributor price in EUR	List price in EUR
1000	PID detector head with electrodes	G	150,00	185,00
1004	PID lamp 10.6 eV 'O'-ring included	G	770,00	960,00
1006	FID detector	9	770,00	960,00
1006A	FID detector	A/D	770,00	960,00
1009	TCD filament (single)	9/A/D	530,00	665,00
1055	Ten port valve complete	9	970,00	1215,00
1056	Diaphragm for ten port valve	9	105,00	130,00
1060	Hydrogen safety valve	9	90,00	110,00
1060A	Hydrogen safety valve	A/D	90,00	110,00
1064	Ten port valve After receiving the old ten port valve we will send a credit of 275 EURO.	A/D	550,00	690,00
1064C	Ten port valve credit Only when the old ten port valve is in the possession of Synspec.	A/D	On request	On request
1064R	Ten port valve revision Only when the old ten port valve is in the possession of Synspec.	A/D	265,00	330,00
1064RR	Ten port valve revision Only when the old ten port valve is in the possession of Synspec. With revision rotor.	A/D	265,00	330,00
1066	Sample system valve set Serial number of the GC required.	9	260,00	330,00
1067	Sample system valve set serie 100 Serial number of the GC required.	A/D	220,00	275,00
1068	Sample system valve set serie 115 Serial number of the GC required.	A/D	260,00	330,00
1073	Sample system valve set serie 401 Serial number of the GC required	A/D	260,00	330,00
1100A	Column for Alpha 115/116 With connections and preconditioned	A/D	200,00	250,00
1100B	Column for Alpha 401	A/D	410,00	510,00
1100D	Column SY-1 2/ 13m 0.32mm 1µ for 601 Used for EN14662-3 certified instruments	9	495,00	615,00
1100E	Column SY-1 2/28m 0.32mm 1μ for 611/615	9	820,00	1025,00
1100F	Column SY-5 2/13m 0.32mm 1μ for 601	9	410,00	510,00
1100H	Column SY-AL2O3 5/10m 0.32mm 5μ 811/815	9	825,00	1030,00
1100J	Column SY-SULFUR 2/28m 0.32mm 4μ for 810	9	825,00	1030,00
1100S	Column PLOT, 5+45 m x 0.32mm, 8 μm GC serial number required	G	0,01	0,01
1101A	Column packed Porapak P80/100 GC serial number required	9	410,00	510,00
1101B	Column packed HayeSep R GC serial number required	9	410,00	510,00

Type of GC: G=General / 9 = GC955 / A = GCALPHA / D=GCDELTA / S=Multi Point Sample System

Printed by Print date

Beuksm 3-2-2017

P/N	Description	Type of GC	Distributor price in EUR	List price in EUR
	1/16" 120+40cm with Hayesep R			
1101S	Column set packed special GC serial number required	9	On request	On request
1103	Ferrules for column 0.32 Set of 4 pieces for use with 0.32mm capillary column.	G	32,00	40,00
1151	Analytical tubing set for PID	9	190,00	250,00
1151A	Analytical tubing set series 100 & 300	A/D	310,00	390,00
1151B	Analytical tubing set Alpha 115	Α	410,00	510,00
1151E	Analytical tubing set for series 400	A/D	295,00	365,00
1151F	Analytical tubing set for PID/FID	9	250,00	310,00
1151H	Analytical tubing set for FID	9	220,00	275,00
1151I	Analytical tubing set Alpha 114	Α	460,00	575,00
1151J	Analytical tubing set Alpha 401	A/D	430,00	535,00
1153A	Inline Filter for analysers with one filter	G	42,00	52,00
1153B	Inline Filter set for analysers with two filters	G	84,00	104,00
1153C	Inline filters triple for analysers with three filtersGC	G	125,00	155,00
1157A	Precontube Tenax GR	G	70,00	85,00
1157B	Precontube Tenax TA	G	70,00	85,00
1157S	Precontube special GC serial number required	G	On request	On request
1162A	Sample cylinder V1	9	520,00	650,00
1162B	Sample cylinder V2	9/A/D	520,00	650,00
1170	Carrier gas pressure sensor	G	58,00	72,00
1171	Mass Flow Controller 010 ml/min	9	690,00	860,00
1175A9	Pressure reducer zero air	9	85,00	105,00
1175AA	Pressure reducer zero air Alpha 115	A/D	85,00	105,00
1175AA11	4 Pressure reducer zero air Alpha114	Α	85,00	105,00
1175C9	Pressure reducer carriergas	9	85,00	105,00
1175CA	Pressure reducer carriergas	A/D	85,00	105,00
1175H9	Pressure reducer hydrogen	9	85,00	105,00
1175HA	Pressure reducer hydrogen	A/D	85,00	105,00
1176	Sample pump streamselector N-815-KNE	S	255,00	320,00
1178A	Sample pump 2.5 l/min 12V	9/A/D	125,00	160,00
1178B	Sample pump 2.5 l/min 12V Teflon	9	160,00	195,00
1179	Membrane set for stream selector pump	S	26,00	33,00
1181A	Sample loop complete 250 μL	G	64,00	80,00

Type of GC: G=General / 9 = GC955 / A = GCALPHA / D=GCDELTA / S=Multi Point Sample System

Synspec Spare Parts Price List 2017

Printed by Beuksm Print date 3-2-2017

P/N	Description	Type of GC	Distributor price in EUR	List price in EUR
1181B	Sample loop complete 500µL	G	64,00	80,00
1181C	Sample loop complete 2ml	G	64,00	80,00
1188	Returned precontube cooled V2	9/A/D	On request	On request
1198	Precontube cooled V2 for 811/815 For GC955 with serial number higher than #2000 After returning the old preconcentration tube, we will send a credit of 735 EURO	9	1.105,00	1380,00
1199	Precontube cooled V2 for 810 For GC955 with serial number higher than #2000 After returning the old preconcentration tube, we will send a credit of 735 EURO	9	1.105,00	1380,00
1200	Precontube cooled V2 for GC955 114 For GC955 with serial number higher than #2xxx After returning the old preconcentration tube, we will send a credit of 735 EURO	9	1.105,00	1380,00
1202	Precontube cooled V2 for Alpha 114 For Alpha/Delta, please specify serial number After returning the old preconcentration tube, we will send a credit of 735 EURO	A	1.105,00	1380,00
1205	Precontube cooled V2 special For GC955, please specify serial number and filling After returning the old preconcentration tube, we will send a credit of 735 EURO	9	1.105,00	1380,00
2000	GC oven heating element 230 Vac For use on 220Vac	9	160,00	195,00
2001	GC oven heating element 115 Vac For use on 110Vac	9	160,00	195,00
2005A1	Ventilator back plate 60x60 mm	A/D	44,00	55,00
2005A2	Ventilator computer compartment 60x60 mm	A/D	44,00	55,00
2005B1	Ventilator top plate 80x80 mm	9	44,00	55,00
2005B2	Ventilator back plate 80x80 mm	9	44,00	55,00
2005C	Dustfilter for ventilator 60x60 mm	A/D	5,25	6,60
2005D	Dustfilter for ventilator 80x80 mm	9	11,00	13,50
2008	Transformer for precon 230 Vac	9	90,00	110,00
2009	Transformer for precon 115 Vac	9	90,00	110,00
2010A	Transformer for cooled precon 230 Vac V2	9	90,00	110,00
2010B	Transformer for cooled precon 115 Vac V2	9	90,00	110,00
2012	Oven door complete	9	105,00	130,00
2014	Ventilator motor 4 wire (V2) Used in GC955 with serial number higher than #2000	9	115,00	145,00
2015	Ventilator motor 4 wire for rebuilt (V2) Used in GC955 with serial number lower than #2000	9	115,00	145,00
3000	Harddisk PATA & standard factory setting For Alpha and Delta with serial number lower than 5000 Specify serial number for GC955	G	125,00	160,00
3002	Harddisk SATA & standard factory setting	G	125,00	160,00

For Alpha and Delta with serial number higher than Type of GC: G=General / 9 = GC955 / A = GCALPHA / D=GCDELTA / S=Multi Point Sample System

Printed by Print date

Beuksm 3-2-2017

	5000		price in EUR	List price in EUR	
	3000				
3004	Computer board for GC955 Specify serial number (Replacement for the Nova PV-D5251 computer board) Serial number #3057 up to #3117 and #7000 and up. and #2999-3002,3025-3027,3039-3054,3057-3060	9	470,00	585,00	
3004A	Computer board Alpha/Delta For Alpha/Delta series instruments with serialnumber 5000 and higher.	A/D	470,00	585,00	
3004RC9	Computer rebuild kit GC955 complete Specify serial number Rebuild to Nova PV-D5251 Included: Windows 7 OS Computer board Hard disk with programs Front panel LCD with touch screen Dividing wall	9	1.360,00	1700,00	
3004RCA	Computer rebuild kit Alpha complete For Alpha series instrument with serial number below 5000. After rebuild the standard spare part number 3004A can be used. This rebuild kit can be placed by Synspec only.	A	840,00	1050,00	
3006	Colour LCD 10.4" touch screen for GC955 Specify serial number	9	630,00	790,00	
3006A	Colour LCD 6" touch screen for Alpha Complete with all parts: Backlite inverter, touchscreen controller and display data cable	A/D	525,00	655,00	
3011	Power supply for computer	9	160,00	195,00	
3011A	Power supply for computer >#5000	A/D	190,00	235,00	
3011B	Power supply for computer <#5000	A/D	190,00	235,00	
3051	Power supply board for PID	9/A/D	115,00	145,00	
3052	Power cable for PID	G	48,00	60,00	
3053	Signal cable for PID	G	48,00	60,00	
3057A	Electronic board MX8 for GC with PID to be used on GC's with sample cylinder version 1	9	360,00	445,00	
3057B	Electronic board MX8 for A/D with PID	A/D	360,00	445,00	
3057C	Electronic board MX8 for GC with PID to be used on GC's with sample cylinder version 2	9	360,00	445,00	
3058A	Electronic board MX8 for GC with PID/FID to be used on GC's with sample cylinder version 1	9	360,00	445,00	
3058B	Electronic board MX8 for A/D with FID	A/D	360,00	445,00	
3058C	Electronic board MX8 for GC with PID/FID to be used on GC's with sample cylinder version 2	9	360,00	445,00	
3060A	Power distribution board for PID >#5000 for Alpha >#5000	A/D	130,00	165,00	
3060B	Power distribution board for FID >#5000	A/D	130,00	165,00	

Synspec Spare Parts Price List 2017

9992

Pre-advice costs for repair

Synsp	ec Spare Parts Price List 2017		Print date	3-2-2017
P/N	Description	Type of GC	Distributor price in EUR	List price in EUR
3060C	Power distribution board for FID <#5000	A/D	130,00	165,00
3060D	Power distribution board for FID/Precon	A/D	130,00	165,00
3060E	Power distribution board for PID <#5000 for Alpha >#5000	A/D	130,00	165,00
3061	Power distribution board PID (230 Vac)	9	130,00	165,00
3062	Power distribution board PID (115 Vac)	9	130,00	165,00
3063	Power distribution board PID/FID 230Vac	9	130,00	165,00
3064	Power distribution board PID/FID 115Vac	9	130,00	165,00
3065	Electro board I/O (terminal strip)	G	130,00	160,00
3067A	Electronic board for sample cylinder V1 For use with a standard precon and a cooled precon and a four wire connected oven motor (V2) Standard used in GC955 with serial number higher than #2000	9	84,00	105,00
3067B	Electronic board for sample cylinder V2 For use with a version 2 sample cylinder	9	84,00	105,00
3067C	Electronic board for sample cylinder	Α	84,00	105,00
3073	Electronic board for sample pressure For use in GC's without sample cylinder	A/D	44,00	55,00
5500	Dust filter holder Teflon PFA (25mm) Holder for 25 mm filter membranes. Inluded 10 pcs 25mm filter membranes, recommended to replace every month.	G	168,00	210,00
5501	Dust filter membranes 25 mm (10x)	G	44,00	55,00
5502	Dust filter holder Teflon PFA (47mm) Holder for 47 mm filter membranes. Inluded 10 pcs 47 mm filter membranes, recommended to replace every month.	G	255,00	320,00
5503	Dust filter membranes 47 mm (10x)	G	54,00	66,00
5504A	Permapure sample dryer extra long 24"	G	435,00	544,00
8050	Silubrin Grease I, tube à 100 gram	9	53,00	66,00

350,00

Printed by

350,00

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STATE OF CONNECTICUT

PROCUREMENT SERVICES

EXHIBIT B- PRICE SCHEDULE

Contract	#17PSX0210	ſ
Commact	$\pi 1/1 \text{ D} \Lambda 0 2 \text{ I}$	ι.

Delivery: Please see below

Terms: Net 45 Days

Contractor Name: Wilbur Technical

Services, LLC

ITEM # DESCRIPTION OF COMMODITY AND/OR SERVICES

DISTRIBUTOR: Wilbur Technical Services, LLC

Authorized Distributor: Yes

Discount from price list: 7%

Teledyne Advanced Pollution Instrumentation

See attached price list for Teledyne Advanced Pollution Instrumentation

Price List / Catalog Number - All items in price list

Dated: 2017

Price List / Catalog Pages On Which:

Bidding: All

Complete Product Line Offered:

Yes

Wilbur Technical Support #860-508-7714 7:00 a.m. to 5:00 p.m. (7 days a week - 365 days

per year)

Shipment 45 Days A.R.O.

General Repair Service

\$155.00/per hr on-site \$155.00/per hr off-site



MODEL 602 Beta PLUS PARTICLE MEASUREMENT SYSTEM - Hourly

Price
SUREMENT SYSTEM - Hourly \$49,500
LYZER
city of 96 filters)
ity of 96 filters)
00) - Whatman GF10
ond stage cyclone - example: DU0000138)
lters, (3) aluminum cartridges for spy filters, (4) inlet nozzles
ine A), 1.7m (line B), Amb Temp. sensor with 5m cable,
d
TS (necessary for the proper operation of the model 602)
\$1,565
e port inlet leak check adapter, leak check cassette,
\$440
embly, tweezers for filter handling, spy filter cutting tool
4-1 Compliant \$2,285
907 Compliant \$2,505
m³/h \$2,005
\$1,825
\$1,665
<u>NS</u> \$1,100
\$1,400
Sample Tubes@500mm ea. with coupling \$255
Sample Tubes@750mm ea. with coupling \$295 Sample Tubes@1000mm ea. with coupling \$310
Sample Tubes@1000mm ea. with coupling \$310
\$2,260
\$3,260
\$150
\$140
\$110
\$30
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9480 Carroll Park Dr., San Diego, CA 92121

MODEL 465H NEMA HIGH LEVEL PROCESS OZONE ANALYZER

Part#	Option#	Description		Price
057000000		MODEL 465H NEMA HIGH LEVEL PROCESS O ₃ A	NALYZER	\$6,450
		INCLUDES:		
		* NEMA ENCLOSURE	* 1/4" STAINLESS STEEL FITTINGS	
		* TEMPERATURE & PRESSURE COMPENSATION	* 4-20mA or 0-5 V OUTPUT	
		* PARTICULATE FILTER	* AUTOZERO VALVE FOR EXT ZERO GAS	
		* EXHAUST OZONE DESTRUCTOR	* FLOWMETER	
		* CALIBRATION CERTIFICATE		
		* PRODUCT MANUALS ON CD		
		TAPI Customer Service support by phone, fax, or email for	r the life of the instrument	N/C
		MISCELLANEOUS		
065370100	17A	Low Flow Alarm		\$294
058200000	63A	Ethernet Option		\$203
061610000	70A	Product Manual, Paper Copy		\$105
076220000	70B	Additional Product Manuals on CD		\$26
	96	Factory Recalibration		\$700
053320000	97	Stainless Steel Tags		\$61



MODEL 430 COMPACT OZONE ANALYZER

Part#	Option#	Description		Price
070430000		MODEL 430 COMPACT OZONE ANALYZER		\$4,750
		RANGE: 0-100PPB (MIN), 0-1000PPB (MAX)		
		INCLUDES:		
		* LIGHTWEIGHT, POLYCARBONATE CHASSIS WITH	HANDLE	
		* PARTICULATE SAMPLE FILTER	* INTERNAL 10,000 HR VACUUM PUMP	
		* 0-5 V ANALOG OUTPUT	* 5X, 0-5V ANALOG INPUTS	
		* 12V DC OPERATION	* EXTERNAL BATTERY CONNECTOR CABLE	
		* 110-240V (AC) TO 12V (DC) POWER ADAPTER	* SD CARD SLOT	
		* 5-40C OPERATING TEMPERATURE RANGE (WITH E	PA APPROVAL)	
		* PRODUCT MANUALS ON CD		
		TAPI Customer Service support by phone, fax, or email for	or the life of the instrument	N/C
		GENERAL		
083330000		External Portable Battery Pack, 14.8V, 6.6Ah (~14hrs run	time)	\$700
		RECOMMENDED SPARE PARTS		
FL0000033		Filter, DFU, Kynar		\$60
065660000		Replacement UV Lamp Assembly		\$269
VA0000054		Bench Manifold Valve		\$290
		MISCELLANEOUS		
083110000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30



MODEL 701 ZERO AIR SYSTEM

Part#	Option#	Description		Price
014500500		MODEL 701 ZERO AIR SYSTEM		\$4,550
		INCLUDES:		,
		STANDARD 18 SLPM @ 30 PSI		
		PRODUCT MANUALS ON CD		
		DEWPOINT SENSOR		
		TWO YEAR STANDARD WARRANTY		N/C
		TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
		SCRUBBERS		
015850100	1B	CO Scrubber		\$905
072160200	2B	High Purity Hyrocarbon/CO Scrubber (Includes Option 1B)		\$1,775
		MOUNTING		44,
031570000	20A	Rack Mount with Chassis Slides 26" = 660 mm		\$285
052990000	20B	Rack Mount with Chassis Slides 24" = 610 mm		\$285
031560000	21	Rack Mount, no Slides, Ears only		\$115
050180000	29	Carrying Handle (Strap)		\$40
		ADDITIONAL OPTIONS		ΨΨΟ
015980000	42A	Annual Maintenance Kit		\$585
062290000	72B	13 SLPM Flow Restriction		\$125
		MISCELLANEOUS		
078250000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30
Warranty 1 EXT	92A	1 Year Extended Warranty	(1)	\$520
		Please Contact Factory for Additional Extended Warranty Fees	(1)	Consult Factory



MODEL T701 ZERO AIR SYSTEM

Part#	Option#	Description		Price
070780000		MODEL T701 ZERO AIR SYSTEM		\$4,850
		INCLUDES:		
		STANDARD 18 SLPM @ 30 PSI		
		FULL MODBUS TCP/IP COMMUNICATION		
		DEWPOINT SENSOR		
		PRODUCT MANUALS ON CD		
		TWO YEAR STANDARD WARRANTY		N/C
		TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
		SCRUBBERS		
015850100	1B	CO Scrubber		\$905
072160200	2B	High Purity Hyrocarbon/CO Scrubber (Includes Option 1B)		\$1,775
		MOUNTING		
031570000	20A	Rack Mount with Chassis Slides 26" = 660 mm		\$285
052990000	20B	Rack Mount with Chassis Slides 24" = 610 mm		\$285
031560000	21	Rack Mount, no Slides, Ears only		\$115
050180000	29	Carrying Handle (Strap)		\$40
		ADDITIONAL OPTIONS		
015980000	42A	Annual Maintenance Kit		\$585
062290000	72B	13 SLPM Flow Restriction		\$125
		MISCELLANEOUS		
078250000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30
Warranty1EXT	92A	1 Year Extended Warranty	(1)	\$520
		Please Contact Factory for Additional Extended Warranty Fees	(1)	Consult Factory



MODEL T701H HIGH PERFORMANCE ZERO AIR SYSTEM

Part#	Option#	Description		Price
060000400		MODEL 701H HIGH PERFORMANCE ZERO AIR SYSTEM		\$7,800
		INCLUDES:		
		STANDARD 30 SLPM @ 35 PSI		
		HYDROCARBON & CO SCRUBBER		
		DEWPOINT SENSOR		
		PRODUCT MANUALS ON CD		
		TWO YEAR STANDARD WARRANTY		N/C
		TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
		MOUNTING		
031570000	20A	Rack Mount with Chassis Slides 26" = 660 mm		\$285
052990000	20B	Rack Mount with Chassis Slides 24" = 610 mm		\$285
031560000	21	Rack Mount, no Slides, Ears only		\$115
050180000	29	Carrying Handle (Strap)		\$40
		ADDITIONAL OPTIONS		
064780000	42A	Annual Maintenance Kit		\$555
062290100	72B	13 SLPM Flow Limiter		\$1,255
		MISCELLANEOUS		
078250000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30
Warranty1EXT	92A	1 Year Extended Warranty	(1)	\$520
		Please Contact Factory for Additional Extended Warranty Fees	(1)	Consult Factory



MODEL 751 ZERO AIR SYSTEM

Part#	Option#	Description		Price
070760000		MODEL 751 PORTABLE ZERO AIR SYSTEM		\$4,500
		INCLUDES:		
		STANDARD 5 SLPM @ 30 PSI		
		RUGGED HAND CARRIED CASE		
		DEWPOINT SENSOR		
		PRODUCT MANUALS ON CD		
		TWO YEAR STANDARD WARRANTY		N/C
		TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
		SCRUBBERS		
079140000	1B	CO Scrubber		\$905
		ADDITIONAL OPTIONS		
079570000	42A	Annual Maintenance Kit		\$430
043910100		Additional Silica Gel Dryer Media (2 jugs)		\$263
078970000		Spare Dryer Canister		\$509
079580000	72B	External 4 SLPM Flow Restriction		\$125
		MISCELLANEOUS		
078360000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30
Warranty1EXT	92A	1 Year Extended Warranty	(1)	\$520
		Please Contact Factory for Additional Extended Warranty Fees	(1)	Consult Factory



MODEL 751H HIGH PERFORMANCE ZERO AIR SYSTEM

Part#	Option#	Description		Price
070770000		MODEL 751H PORTABLE HIGH PERFORMANCE ZERO AIR SYSTEM		\$7,850
		INCLUDES:		
		STANDARD 10 SLPM @ 30 PSI		
		RUGGED TRAVELING CASE WITH WHEELS AND RETRACTABLE HANDLE		
		DEWPOINT SENSOR		
		PRODUCT MANUALS ON CD		
		TWO YEAR STANDARD WARRANTY		N/C
		TAPI Customer Service support by phone, fax, or email for the life of the instrument		N/C
		ADDITIONAL OPTIONS		
079570000	42A	Annual Maintenance Kit		\$430
079590000	72C	External 9 SLPM Flow Restriction		\$125
		MISCELLANEOUS		
077730000	70A	Product Manual, Paper Copy		\$110
076220000	70B	Additional Product Manuals on CD		\$30
Warranty 1 EXT	92A	1 Year Extended Warranty	(1)	\$520
		Please Contact Factory for Additional Extended Warranty Fees	(1)	Consult Factory

Page 1 of 2



Bid/RFP Number: 17PSX0210

EXHIBIT C

Notice to Executive Branch State Contractors and Prospective State Contractors of Campaign Contribution and Solicitation Limitations

This notice is provided under the authority of Connecticut General Statutes §9-612(G)(2), as amended by P.A. 10-1, and is for the purpose of informing state contractors and prospective state contractors of the following law (italicized words are defined on the reverse side of this page.

CAMPAIGN CONTRIBUTION AND SOLICITATION LIMITATIONS

No state contractor, prospective state contractor, principal of a state contractor or principal of a prospective state contractor, with regard to a state contract or state contract solicitation with or from a state agency in the executive branch or a quasi-public agency or a holder, or principal of a holder of a valid prequalification certificate, shall make a contribution to (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of Governor, Lieutenant Governor, Attorney General, State Comptroller, Secretary of the State or State Treasurer, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee (which includes town committees).

In addition, no holder or principal of a holder of a valid prequalification certificate, shall make a contribution to (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of State senator or State representative, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee.

On and after January 1, 2011, no state contractor, prospective state contractor, principal of a state contractor or principal of a prospective state contractor, with regard to a state contract or state contract solicitation with or from a state agency in the executive branch or a quasi-public agency or a holder, or principal of a holder of a valid prequalification certificate, shall **knowingly** *solicit* contributions from the state contractor's or prospective state contractor's employees or from a *subcontractor* or *principals* of the *subcontractor* on behalf of (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of Governor, Lieutenant Governor, Attorney General, State Comptroller, Secretary of the State or State Treasurer, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee.

DUTY TO INFORM

State contractors and prospective state contractors are required to inform their principals of the above prohibitions, as applicable, and the possible penalties and other consequences of any violation thereof.

PENALTIES FOR VIOLATIONS

Contributions of solicitations of contributions made in violation of the above prohibitions may result in the following civil and criminal penalties:

<u>Civil Penalties</u> – Up to \$2,000 or twice the amount of the prohibited contribution, whichever is greater, against a principal or a contractor. Any state contractor or prospective state contractor which fails to make reasonable efforts to comply with the provisions requiring notice to its principals of these prohibitions and possible consequences of their violations may also be subject to civil penalties of up to \$2,000 or twice the amount of the prohibited contributions made by their principals.

<u>Criminal penalties</u> – Any knowing and willful violation of the prohibition is a Class D felony, which may subject the violator to imprisonment of not more than 5 years, or not more than \$5,000 in fines, or both.

CONTRACT CONSEQUENCES

In the case of a state contractor, contributions made or solicited in violation of the above prohibitions may result in the contract being voided.

In the case of a prospective state contractor, contributions made or solicited in violation of the above prohibitions shall result in the contract described in the state contract solicitation not being awarded to the prospective state contractor, unless the State Elections Enforcement Commission determines that mitigating circumstances exist concerning such violation.

The State shall not award any other state contract to anyone found in violation of the above prohibitions for a period of one year after the election for which such contribution is made or solicited, unless the State Elections Enforcement Commission determines that mitigating circumstances exist concerning such violation.

Additional information may be found on the website of the State Elections Enforcement Commission, www.ct.gov/seec. Click on the link to "Lobbyist/Contractor Limitations."

CONNECTICUT STATE ELECTIONS ENFORCEMENT COMMISSION

Rev. 1/11 Page 2 of 2



Bid/RFP Number: 17PSX0210

EXHIBIT C

DEFINITIONS

"State contractor" means a person, business entity or nonprofit organization that enters into a state contract. Such person, business entity or nonprofit organization shall be deemed to be a state contractor until December thirty-first of the year in which such contract terminates. "State contractor" does not include a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Prospective state contractor" means a person, business entity or nonprofit organization that (i) submits a response to a state contract solicitation by the state, a state agency or a quasi-public agency, or a proposal in response to a request for proposals by the state, a state agency or a quasi-public agency, until the contract has been entered into, or (ii) holds a valid prequalification certificate issued by the Commissioner of Administrative Services under section 4a-100. "Prospective state contractor" does not include a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Principal of a state contractor or prospective state contractor" means (i) any individual who is a member of the board of directors of, or has an ownership interest of five per cent or more in, a state contractor or prospective state contractor, which is a business entity, except for an individual who is a member of the board of directors of a nonprofit organization, (ii) an individual who is employed by a state contractor or prospective state contractor, which is a business entity, as president, treasurer or executive vice president, (iii) an individual who is the chief executive officer of a state contractor or prospective state contractor, which is not a business entity, or if a state contractor or prospective state contractor has no such officer, then the officer who duly possesses comparable powers and duties, (iv) an officer or an employee of any state contractor or prospective state contractor who has *managerial or discretionary responsibilities with respect to a state contract*, (v) the spouse or a *dependent child* who is eighteen years of age or older of an individual described in this subparagraph, or (vi) a political committee established or controlled by an individual described in this subparagraph or the business entity or nonprofit organization that is the state contractor or prospective state contractor.

"State contract" means an agreement or contract with the state or any state agency or any quasi-public agency, let through a procurement process or otherwise, having a value of fifty thousand dollars or more, or a combination or series of such agreements or contracts having a value of one hundred thousand dollars or more in a calendar year, for (i) the rendition of services, (ii) the furnishing of any goods, material, supplies, equipment or any items of any kind, (iii) the construction, alteration or repair of any public building or public work, (iv) the acquisition, sale or lease of any land or building, (v) a licensing arrangement, or (vi) a grant, loan or loan guarantee. "State contract" does not include any agreement or contract with the state, any state agency or any quasi-public agency that is exclusively federally funded, an education loan, a loan to an individual for other than commercial purposes or any agreement or contract between the state or any state agency and the United States Department of the Navy or the United States Department of Defense.

"State contract solicitation" means a request by a state agency or quasi-public agency, in whatever form issued, including, but not limited to, an invitation to bid, request for proposals, request for information or request for quotes, inviting bids, quotes or other types of submittals, through a competitive procurement process or another process authorized by law waiving competitive procurement.

"Managerial or discretionary responsibilities with respect to a state contract" means having direct, extensive and substantive responsibilities with respect to the negotiation of the state contract and not peripheral, clerical or ministerial responsibilities.

"Dependent child" means a child residing in an individual's household who may legally be claimed as a dependent on the federal income tax of such Individual.

"Solicit" means (A) requesting that a contribution be made, (B) participating in any fund-raising activities for a candidate committee, exploratory committee, political committee or party committee, including, but not limited to, forwarding tickets to potential contributors, receiving contributions for transmission to any such committee or bundling contributions, (C) serving as chairperson, treasurer or deputy treasurer of any such committee, or (D) establishing a political committee for the sole purpose of soliciting or receiving contributions for any committee. Solicit does not include: (i) making a contribution that is otherwise permitted by Chapter 155 of the Connecticut General Statutes; (ii) informing any person of a position taken by a candidate for public office or a public official, (iii) notifying the person of any activities of, or contact information for, any candidate for public office; or (iv) serving as a member in any party committee or as an officer of such committee that is not otherwise prohibited in this section.

"Subcontractor" means any person, business entity or nonprofit organization that contracts to perform part or all of the obligations of a state contractor's state contract. Such person, business entity or nonprofit organization shall be deemed to be a subcontractor until December thirty first of the year in which the subcontract terminates. "Subcontractor" does not include (i) a municipality or any other political subdivision of the state, including any entities or associations duly created by the municipality or political subdivision exclusively amongst themselves to further any purpose authorized by statute or charter, or (ii) an employee in the executive or legislative branch of state government or a quasi-public agency, whether in the classified or unclassified service and full or part-time, and only in such person's capacity as a state or quasi-public agency employee.

"Principal of a subcontractor" means (i) any individual who is a member of the board of directors of, or has an ownership interest of five per cent or more in, a subcontractor, which is a business entity, except for an individual who is a member of the board of directors of a nonprofit organization, (ii) an individual who is employed by a subcontractor, which is a business entity, as president, treasurer or executive vice president, (iii) an individual who is the chief executive officer of a subcontractor, which is not a business entity, or if a subcontractor has no such officer, then the officer who duly possesses comparable powers and duties, (iv) an officer or an employee of any subcontractor who has managerial or discretionary responsibilities with respect to a subcontract with a state contractor, (v) the spouse or a dependent child who is eighteen years of age or older of an individual described in this subparagraph, or (vi) a political committee established or controlled by an individual described in this subparagraph or the business entity or nonprofit organization that is the subcontractor.