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Zero Drift Sensor Price List

Wednesday, March 18, 2015

Choose a probe style, optical fibers, electronics and temperature probe to make a complete system

"F Style"		
Fiber Optic Sensors with Dip coated tip, 7" long SS, SMA connector		
* use with SEOX-BB-1000 bifurcated fiber & splice bushing and a separate temperature sensor		
SEOX-F116-A	O2 Fiber Probe, 1000um, 1/16" OD x 7" A coating	\$400.00
SEOX-F116-HCR	O2 Fiber Probe, 1000um, 1/16" OD x 7" HCR coating for hydrocarbons	\$400.00
SEOX-F125-A	O2 Fiber Probe, 1000um, 1/8" OD x 7" A coating	\$400.00
SEOX-F125-HCR	O2 Fiber Probe, 1000um, 1/8" OD x 7" HCR coating for hydrocarbons	\$400.00
SEOX-F125-S-A	O2 Fiber Probe, 1000um, 1/8" OD x 2.5" A coating	\$400.00
SEOX-F125-S-HCR	O2 Fiber Probe, 1000um, 1/8" OD x 2.5" long HCR for hydrocarbons	\$400.00
SEOX-F250-A	O2 Fiber Probe, 1/4" OD x 7" 55bar pressure rated & A coating	\$400.00
SEOX-F250-HCR	O2 Fiber Probe, 1/4" OD x 7" 55bar pressure rated & HCR coating	\$400.00

"FT Style"		
Fiber Optic Sensors with Dip coated tip, 7" long SS, SMA connector		
* use with SEOX-BB-1000 bifurcated fiber & splice bushing. The thermistor lead is integrated with the sensor and comes in lengths from 5' to 50' designated by the T? value		
	FT Style Dip coated sensors with thermistor	
SEOX-FT156-A-T10	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & AP, 10' thermistor lead	\$576.00
SEOX-FT156-A-T20	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & AP, 20' thermistor lead	\$616.00
SEOX-FT156-A-T30	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & AP, 30' thermistor lead	\$656.00
SEOX-FT156-A-T5	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & AP, 5' thermistor lead	\$536.00
SEOX-FT156-HCR-T10	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & HCR, 10' thermistor	\$576.00
SEOX-FT156-HCR-T20	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & HCR, 20' thermistor	\$616.00

SEOX-FT156-HCR-T30	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & HCR, 30' thermistor	\$656.00
SEOX-FT156-HCR-T5	O2 Fiber Probe, 5/32" OD, 7" long, SS, thermistor, SMA & HCR, 5' thermistor lead	\$536.00
SEOX-FT250-A-T10	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & AP, 10' thermistor lead	\$596.00
SEOX-FT250-A-T20	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & AP, 20' thermistor lead	\$636.00
SEOX-FT250-A-T30	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & AP, 30' thermistor lead	\$676.00
SEOX-FT250-A-T5	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & AP, 5' thermistor lead	\$556.00
SEOX-FT250-HCR-T10	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & HCR, 10' thermistor lead	\$596.00
SEOX-FT250-HCR-T20	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & HCR, 20' thermistor lead	\$636.00
SEOX-FT250-HCR-T30	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & HCR, 30' thermistor lead	\$676.00
SEOX-FT250-HCR-T5	O2 Fiber Probe, 1/4" OD, 7" long, SS, thermistor, SMA & HCR, 5' thermistor lead	\$556.00
SEOX-FT375-A-T10	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & AP, 10' thermistor lead	\$612.00
SEOX-FT375-A-T20	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & AP, 20' thermistor lead	\$652.00
SEOX-FT375-A-T30	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & AP, 30' thermistor lead	\$692.00
SEOX-FT375-A-T5	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & AP, 5' thermistor lead	\$572.00
SEOX-FT375-HCR-T10	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & HCR, 10' thermistor lead	\$612.00
SEOX-FT375-HCR-T20	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & HCR, 20' thermistor lead	\$652.00
SEOX-FT375-HCR-T30	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & HCR, 30' thermistor lead	\$692.00
SEOX-FT375-HCR-T5	O2 Fiber Probe, 3/8" OD, 7" long, SS, thermistor, SMA & HCR, 5' thermistor lead	\$572.00

"RCT Style) Fiber Optic Sensors with removable sensor cap and integral fibers and embedded thermistor. Probes are supplied with 5' of fiber and thermistor cable. Use the SEOX-EXT-1000 extensions to add length.

RCT style - screw cap sensor with thermistor and fibers

SEOX-RCT250-A	Screw cap O2 Sensor, 1/4" OD, 7" long, SS, thermistor, SMA, & AP cap	\$720.00
SEOX-RCT250-HCR	Screw cap O2 Sensor, 1/4" OD, 7" long, SS, thermistor, SMA & HCR cap	\$720.00
SEOX-RCT250-MR	Screw cap O2 Sensor, 1/4" OD, 7" long, SS, thermistor, SMA & MR cap	\$720.00
SEOX-RCT375-A	Screw cap O2 Sensor, 3/8" OD, 7" long, SS, thermistor, SMA & AP cap	\$771.00
SEOX-RCT375-HCR	Screw Cap O2 Sensor, 3/8" OD, 7" long, SS, thermistor, SMA & HCR cap	\$771.00
SEOX-RCT375-MR	Screw Cap O2 Sensor, 3/8" OD, 7" long, SS, thermistor, SMA & MR cap	\$771.00

RCT Sensor Cap replacements

SEOX-RC250-CAP-A	Replaceable PT250 Sensor Cap, AP chemistry	\$200.00
SEOX-RC250CAP-HCR	Replaceable PT250 Sensor Cap, HCR chemistry	\$200.00
SEOX-RC250CAP-MR	Replaceable PT250 Sensor Cap, MR chemistry	\$200.00
SEOX-RC375-CAP-A	Replaceable PT375 Sensor Cap, AP chemistry	\$200.00
SEOX-RC375CAP-HCR	Replaceable PT38 Sensor Cap, HCR chemistry	\$200.00
SEOX-RC375CAP-MR	Replaceable PT38 Sensor Cap, MR chemistry	\$200.00

Fiber Assemblies Bifurcated Fiber assembly to couple the electronics to "F" and "FT" style probes. A 21-02 splice bushing is also required

BB Style bifurcated optical fiber assembly

SEOX-BB-1000-10	Bifurcated glass fiber bundle, 10' (3m) for 1000um probes	\$444.00
SEOX-BB-1000-20	Bifurcated glass fiber bundle, 20' (6m) for 1000um probes	\$540.00

SEOX-BB-1000-30	Bifurcated glass fiber bundle, 30' (9m) for 1000um probes	\$628.00
SEOX-BB-1000-5	Bifurcated glass fiber bundle, 5' (1.5m) for 1000um probes	\$352.00
21-02	In-line splice bushing.Connects (2) SMA 905/906 terminated items	\$16.00

Extensions

Fiber & Thermistor wire extensions for RCT style probes or for FT style probes equipped with a SEOX-CC-1000 bifurcated fiber. Two 21-02 splice bushings are required.



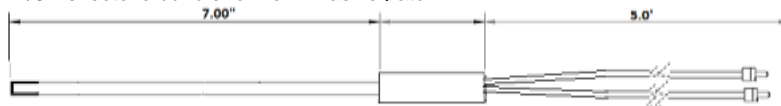
EXT Style Optical fibers and thermistor extension assembly

SEOX-EXT1000-T-10	3.0 m (10') fibers & thermistor cable extensions	\$531.00
SEOX-EXT1000-T-20	6.1 m (20') fibers & thermistor cable extensions	\$621.00
SEOX-EXT1000-T-30	9.0 m (30') fibers & thermistor cable extensions	\$681.00
SEOX-EXT1000-T-5	1.5 m (5') fibers & thermistor cable extensions	\$471.00
21-02	In-line splice bushing.Connects (2) SMA 905/906 terminated items	\$16.00

Patches

Patches & Probe for non-invasive O2 sensing. Patches are designed to be fixed or glued inside of a container with a clear wall. The fiber probe interrogates the sensor patch through the wall from the outside.

SEOX-PATCH-A	O2 AP thick patch, 1/4" x 1.8mm thick acrylic, 5/pack	\$100.00
SEOX-PATCH-A-F	O2 AP thin patch, 1/4" x 0.08mm acrylic, 5/pack	\$80.00
SEOX-PATCH-A-FG	O2 AP thick patch, 1/4" x 0.28mm fiber glass, 5/pack	\$130.00
SEOX-PATCH-HCR	O2 HCR thick patch, 1/4" x 1.8mm thick glass disc, 5/pack	\$200.00
SEOX-PATCH-HCR-FG	O2 HCR thick patch, 1/4" x 0.28mm fiber glass, 5/pack	\$130.00
SEOX-BB-125	1/8" reflectove bundle for non-invasive patch	\$392.00



SEOX-BB-125 Reflection bundle for patches

POF Sensors

Flexible Plastic Optical fiber O2 sensors, 6" long, SMA connector. Calibration of plastic fiber sensors is not included. Use these with the SEOX-BB1000-5 bifurcated assembly and a 21-02 splice bushing.

SEOX-AP-POF-1000	1000 micron plastic fiber oxygen sensor/6" long	\$150.00
SEOX-AP-POF-1500	1500 micron plastic fiber oxygen sensor/6" long	\$150.00
SEOX-AP-POF-2000	2000 micron plastic fiber oxygen sensor/6" long	\$150.00
SEOX-AP-POF-500	500 micron plastic fiber oxygen sensor/6" long	\$150.00
SEOX-AP-POF-750	750 micron plastic fiber oxygen sensor/6" long	\$150.00
SEOX-AP-POF-PACK	Plastic Fiber O2 sensors pack of 10	\$1,000.00
SEOX-EXT1000-T-5	1.5 m (5') fibers & thermistor cable extensions	\$471.00
21-02	In-line splice bushing.Connects (2) SMA 905/906 terminated items	\$16.00

Electronics

Sensor Electronics and temperature probes. Electronics come with user interface software, USB cable and wall transformer. The NEOFOX Sport also has a built in battery and display with puchbittons for portable operation.


NEOFOX-GT	NEOFOX OXYGEN PHASE FLOURIMETER WITH RS232 COMMUNICATION	\$2,677.00
NEOFOX-SPORT	Handheld Field Portable Oxygen Sensor	\$3,427.00
JAZ-NEOFOX	NeoFox Phase Measurement system for Jaz Instrumentation Platform	\$2,756.00

Temperature probes

NEOFOX-TP	NeoFox Temperature Probe	\$140.00
SEOX-THERM-250	Thermistor 1/4" x 4" SS 40" leads	\$152.00



Systems	Complete Systems including everything you need to start making measurements	
SEOX-1	A-T5 5/32" AP chemistry probe with embedded thermistor	\$3,581.00

Rentals	Systems for Rent	
		
#R5	long optical oxygen sensor, SEOX-BB-1000 bifurcated fiber assembly (5' long),	\$299/week

Services	Services & Factory Calibrations -- Probes can be returned to the factory for re-coating the sensor material, and/or for calibration vs pO2 and temperature	
SEOX-CAL	Sensor O2 and Temperature Standard Calibration	\$200.00
SEOX-CAL-EXT	Extended range temperature and pO2 calibration	\$250.00
SEOX-RECOAT	O2 Sensor Recoat - specify AP or HCR chemistry	\$250.00

Sensor Specifications			
	AP formulation Polystyrene matrix	HCR formulation Sol Gel matrix	MR formulation Sol Gel matrix
Response Rate	T ₉₀ = 3 sec	T ₉₀ = 1 sec	T ₉₀ = 1 sec
Dynamic Range (gas)	0 – 760 mmHg 0 – 100% (at 1 atm)	0 – 760 mmHg 0 – 100% (at 1 atm)	0 – 760 mmHg 0 – 100% (at 1 atm)
Dynamic range (DO)	0 – 40 ppm in H ₂ O	0 – 40 ppm in H ₂ O	0 – 40 ppm in H ₂ O
Resolution (gas)	0.04 mmHg 0.005% (at 1 atm)	0.4 mmHg 0.05% (at 1 atm)	0.4 mmHg 0.05% (at 1 atm)
Resolution (DO)	0.002 ppm in H ₂ O	0.002 ppm in H ₂ O	0.002 ppm in H ₂ O
Accuracy	5% of reading	5% of reading	5% of reading
LDL (gas)	0.04 mmHg 0.005% (at 1 atm)	0.4 mmHg 0.05% (at 1 atm)	0.4 mmHg 0.05% (at 1 atm)
LDL (DO)	0.002 ppm in H ₂ O	0.002 ppm in H ₂ O	0.002 ppm in H ₂ O
Drift rate	No measurable long term drift, continuous operation	0.0001 % /hr in gas	0.0001 % /hr in gas
Sensor Operating Temperature	-50 to 100C	-50 to 200C	-50 to 200C

Useful Lifetime	3 years	3 years	3 years
Compatibility	General purpose gases and aqueous solutions	Organic solvents	General purpose gases and aqueous liquids
Water Vapor Interference	no	yes	no
Formats	Dip coated fibers Spin coated patches & probes	Dip coated fibers Spin coated patches & probes	Dip coated fibers Spin coated patches & probes
Review	Best general purpose probe, longer fluorescence decay yields more resolution, zero drift means stable calibrations	Used for organic solvents and gases with organic vapors. This sensor does respond to water vapor as well as O2	General purpose but with faster response rate than AP chemistry. Does exhibit long term photo-bleaching drift and has less resolution.