GPR-18 MS SUB-PPM EXPLOSION-PROOF OXYGEN ANALYZER

Explosion proof oxygen analyzer with 0-1 PPM low range, meets standards for Class 1, Division 1, Groups B, C, D. Features an advanced galvanic trace PPM oxygen sensor, a 24 month operating life, a proven electronic platform, flame arrestors, and a stainless steel Sample/Bypass system that enables the analyzer to come online at PPM levels in minutes.

Enclosure: Rated for use in Class I Div I Group B, C, D

TECHNICAL SPECIFICATIONS

Accuracy:	< 1% of FS range under constant conditions	**Analysis:**	0-1 ppm, 0-10, 0-100, 0-1000 ppm FS ranges
Application:	Oxygen analysis in inert, H2, hydrocarbon and mixed gas streams	**Approvals:**	meets UL standard for Cl 1, div 1, Group C,D
Area Classification:	Enclosure Class 1, Division 1, Groups B, C, D NEMA 4/7	**Alarms:**	2 adjustable form C relay contacts non-latching; sensor and power failure
Calibration:	Certified span gas of O_2 balance N_2	**Compensation:**	Temperature
Connections:	1/8″ or 1/4″ compression tube fittings	**Controls:**	Actuators for range selection, zero and span calibration adjustments
Display:	3-1/2 digit bright red LCD; resolution .001 ppm	**Enclosure:**	Painted aluminum 16 x 18 x 11” wall mt., 70 lbs.
Flow:	1-5 SCFH, 1 SCFH recommended	**Linearity:**	> .995 over all ranges
Pressure:	Inlet- 20-50 psig; vent – atmospheric not to exceed +/- 14” water column		
Recovery Time:	Air 30 sec – less than 10 ppm in 45 min	**Sample System**	Flow meter, 4-way Sample/Bypass valve
Response Time:	90% of final FS reading < 20 seconds		
Sensitivity:	< 0.5% of FS range	**Sensor Model:**	GPR-12-2000 MS
sensor Life:	36 mos at 25ºC, 1 atm; average O_2< 100 ppm	**Signal Output:**	4-20mA isolated and 0-1V
Temp. Range:	5º to 45ºC	**Warranty:**	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel	**Power:**	Specify 100/120 0r 220/240 VAC

*At constant temperature and pressure.