



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, H ₂ , hydrocarbon and mixed gas streams	Approvals:	meets UL standard for CI 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 25°C, 1 atm; average O ₂ < 100 ppm	Signal Output:	4-20mA isolated and 0-1V
Temp. Range:	5° to 45°C	Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel	Power:	Specify 100/120 Or 220/240 VAC

*At constant temperature and pressure.