



GPR-1100 INTRINSICALLY SAFE PORTABLE PPM O2 ANALYZER

ATEX certified PPM O2 analyzer, 0-10 PPM low range, Quick disconnect Sample and Vent connections, certification to ATEX Directive 94/9/EC.

Features

- proprietary galvanic type oxygen sensor
- field proven reliability
- 24 month operating life with no periodic maintenance
- user friendly digital electronics
- stainless steel sensor housing

Certification:

Ex ia IIB T4 Gb
T_{amb} -10°C to 45°C



TECHNICAL SPECIFICATIONS

*Accuracy:	+/- 2% of FS	Analysis Ranges:	0-10, 0-100, and 0-1000 PPM, 1% and 25%
Sensitivity:	<0.5% of lowest full scale range	Linearity:	>0.995 over all ranges
Application:	Oxygen analysis in N2, Ar, He, H2, mixed and CO2 gas streams	Approvals:	Ex ia IIB T4 Gb, T _{amb} -10°C to 45°C
Area Classification:	Class I, Division 1, Groups C, D	Calibration:	Certified span gas
Compensation:	Barometric pressure and temperature	Connections:	1/8" compression tube fittings
Controls:	Menu driven range selection, calibration and system functions	Display:	LCD 2.75 x 1.375"; resolution .01 PPM
Enclosure:	Painted aluminum NEMA 4X, 4.6 x 9 x 3", 10 lbs.	Sample Flow:	Recommended flow rate 1-2 SCFH
LED Indicators:	LOW BATT (72 hr. warning); CHARGE mode	Signal Output:	0-1 V DC
Pressure:	Inlet – regulate to deliver recommended flow rate; vent – atmosphere	Power:	Rechargeable battery, 30 day cycle
Recovery Time:	30 seconds in air to < 10 PPM in < 60 min on N ₂ purge	Response Time:	90% of final FS reading in 10 seconds
Sample System:	Quick disconnect fittings	Wetted Parts	Stainless steel
Sensor Model:	GPR-12-333	Expected Sensor Life:	24 months
Temp Range:	5°C to 45°C	Temp. Range:	12 months analyzer, 12 months sensor

*At constant temperature and pressure

Optional Equipment

GPR-12-233-H	Sensor for gas mixtures containing H ₂ >1%
XLT-12-333	Sensor for gas mixtures containing CO ₂ >0.5%
Data Logger	Internal data logger