



GPR-2000 ATEX APPROVED PORTABLE O₂ ANALYZER

GPR-2000 intrinsically safe ATEX certified portable % O₂ – oxygen analyzer, measures O₂ concentrations from 0.01% to 100%. Percent oxygen sensor features advanced galvanic oxygen sensor, a 32 month operating life with no periodic maintenance required, user friendly digital electronics, a compact robust enclosure selected for the demands of industrial field use, and a variety of optional equipment.



Certification:

Ex ia IIB T4 Gb
T_{amb} -10°C to 45°C



TECHNICAL SPECIFICATIONS

*Accuracy:	< 2% of FS range under constant conditions	Analysis Ranges:	0-1%, 0-5%, 0-10% and 0-25% FS
Application:	Oxygen analysis in inert, hydrogen, mixed and acid (CO ₂) gas streams	Approvals:	Certified for use hazardous areas – see lower right
Area Classification:	Class I, Division 1, Groups C, D	Calibration:	Air or certified span gas of O ₂ balance N ₂
Compensation:	Barometric pressure and temperature	Connections:	1/8" compression tube fittings
Controls:	Menu driven range selection, calibration and system functions	Display:	Graphical LCD 2.75 x 1.375"; resolution .001%
Enclosure:	Painted aluminum, 4 x 9 x 3", 10 lbs.	Sample Flow:	Recommended flow rate 1-2 SCFH
LED Indicators:	LOW BATT (72 hr. warning); CHARGE mode	Linearity:	> .995 over all ranges
Pressure:	Inlet – regulate to 5-30 psig; vent – atmosphere	Power:	Rechargeable battery, 60 day cycle, 8 hrs with pump
Response Time:	90% of final FS reading in 10 seconds	Sample System:	None; optional integral sample pump and panel mounted flow meter and/or coalescing filter
Sensitivity:	< 0.5% of FS range	Sensor Model:	GPR-11-32-RTS
Sensor Life:	32 months in air at 25°C and 1 atm	Signal Output:	0-1V FS
Temp. Range:	-10°to 45°C	Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel flow-housing, tubing and fittings		

*At constant temperature and pressure

Shown with optional flow meter and coalescing filter

Optional Equipment	
XLT-11-24-RTS	Sensor for gas mixtures containing CO ₂ >1%
Sample System	Pressure regulator
Data Logger	Internal data logger