



Technical Specifications *

Accuracy:	< 2% of FS range under constant conditions
Analysis Ranges:	0-10 PPM, 0-100 PPM, 0-1000 PPM, 0-1%, 0-25% (CAL) FS Auto-ranging or manual lock on a single range
Application:	Oxygen analysis down to 0.1 PPM in inert, helium, hydrogen, mixed and acid (CO ₂) gas streams
Approvals:	EC TYPE EXAMINATION CERTIFICATE: INERIS 10ATEX0020  II 2 G Ex ib IIB T4 T _{amb} -20°C to +50°C
Area Classification:	Meets standards for Class 1, Division 1, Group C, D
Calibration:	Certified gas of O ₂ balance N ₂ approximating 80% of range of analysis or one range higher
Compensation:	Temperature
Connections:	1/8" compression tube fittings
Controls:	Water resistant keypad; menu driven range selection, calibration and system functions
Display:	Graphical LCD 2.75 x 1.375"; resolution .01 PPM on 0-10 PPM range
Enclosure:	Painted aluminum NEMA 4X, 8.6 x 9 x 3", 12 lbs.
Flow Sensitivity:	None between 0.5-5 SCFH, 2 SCFH recommended
LED Indicators:	LOW BATT (72 hr. warning); CHARGE mode
Linearity:	> .995 over all ranges
Pressure:	Inlet - regulate to 5-30 psig; vent - atmospheric
Power:	Rechargeable battery, 60 day duty cycle (pump 8 hours)
Recovery Time:	60 seconds in air to < 10 PPM in < 1 hour on N ₂ purge
Response Time:	90% of final FS reading in 10 seconds
Sample System:	None
Sensitivity:	< 1% of FS range
Sensor Model:	GPR-12-333
Sensor Life:	24 months at 25°C, 1 atm with average O ₂ < 1,000 PPM
Signal Output:	0-1V FS
Temp. Range:	5° to 45°C (GPR sensor), -20° to 45°C (XLT sensor)
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel

Optional Equipment

- XLT-12-333 sensor for analysis of a gas mixture with > 0.5% CO₂
- PI-2166-5 Integral sampling pump
- CC-1030 Carrying case with custom foam insert
- Sample conditioning accessories - contact factory
- * Subject to change without notice.



GPR-1100 ATEX

Portable PPM O₂ Analyzer

Certified Intrinsically Safe
Battery Powered PPM Oxygen Analyzer

ATEX Directive 94/9/EC
INERIS 10ATEX0020

 II 2 G Ex ib IIB T4 T_{amb} -20°C to +50°C

ISO 9001:2008 QA System
INTERTEK Certificate No. 485



Advanced Sensor Technology
Recovers from Air to 10 PPM < 1 Hour
Sensitivity 0.05 PPM (50 PPB)
24 Month Expected Life
Excellent Compatibility with CO₂
No Maintenance
Stainless Steel Wetted Parts
Designed for Industrial Use