



Technical Specifications *

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|----------------------|---|
| Accuracy: | < 2% of FS range under constant conditions |
| Analysis Ranges: | 0-1000 PPM, 0-1%, 0-25% (CAL) FS Auto-ranging or manual lock on a single range |
| Application: | Oxygen analysis in inert, helium, 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: | 3 month interval using certified span gas (preferred for fastest online time) or air with O ₂ value approximating 80% of full scale range balance N ₂ |
| Compensation: | Barometric pressure and 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 1 PPM |
| Enclosure: | Painted aluminum NEMA 4X, 4 x 9 x 3", 8 lbs. |
| Flow: | Not flow sensitive; recommended flow rate 2 SCFH |
| LED Indicators: | LOW BATT (72 hr. warning); CHARGE mode |
| Linearity: | > .995 over all ranges |
| Pressure: | Inlet - regulate to 5-30 psig to deliver 2 SCFH flow; vent - atmospheric |
| Power: | Rechargeable battery, 60 day cycle, 8 hrs with pump |
| Recovery Time: | 60 sec in air to < 100 PPM in < 15 min on N ₂ purge |
| Response Time: | 90% of final FS reading in 10 seconds |
| Sample System: | None; SS quick disconnect fittings |
| Sensitivity: | < 0.5% of FS range |
| Sensor Model: | GPR-12-100-M for non-acid (CO ₂) gas streams XLT-12-100-M for gas mixture with > 0.5% CO ₂ |
| Sensor Life: | 24 months in < 1000 PPM O ₂ at 25°C and 1 atm |
| 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: | Brass connections; stainless steel optional |

Optional Equipment

- Carrying case with custom foam insert
- Sample conditioning - pump, filter, scrubbers - contact factory

* Subject to change without notice.

ATEX Certified for Hazardous Areas



GPR-1000 ATEX Portable PPM O₂ Analyzer

Rechargeable Battery Powered

Advanced Sensor Technology

- > Fast Recovery to < 10 PPM from Exposure to Air
- > Sensor Life, Warranty and Performance is Unmatched
- > Excellent Compatibility in 0-100% CO₂
- > Extended Operating Temperature -20°C

Sensitivity 0.5% Full Scale

ATEX Certified - Directive 94/9/EC

Examination Cert: INERIS 10ATEX0020



II 2 G
Ex ib IIB T4
T_{amb} -20°C to +45°C



0080

ISO 9001:2008 Certified INTERTEK Certificate No. 485





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| Application: | Oxygen analysis in inert, helium, hydrogen, mixed and acid (CO ₂) gas streams |
| Area Classification: | General purpose |
| Calibration: | 3 month interval using certified span gas (preferred for fastest online time) or air with O ₂ value approximating 80% of full scale range balance N ₂ |
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Sensitivity 0.5% Full Scale

3 Ranges Standard

Auto Ranging or Fixed Single

0-1 V Signal Output

Operates in Charging Mode

Low Battery Warning LED

Optional Stainless Steel Connections

Optional Equipment

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- Sample conditioning - pump, filter, scrubbers - contact factory

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ISO 9001:2008 Certified
INTERTEK Certificate No. 485

