





Technical Specifications


- Accuracy: < 2% of FS range under constant conditions
- Analysis: 0-10 PPM, 0-100 PPM, 0-1000 PPM, 0-1%, 0-25% FS ranges; auto-ranging or manually lock on single range
- Application: Oxygen analysis in inert, hydrocarbon, helium, hydrogen, mixed and acid (CO₂) gas streams
- Approvals: EC TYPE EXAMINATION CERTIFICATE: INERIS 08ATEX0036
 II 2 G
 Ex d [ib] ib IIB T4
 T_{amb} -20°C to +50°C
- Area Classification: Meets the recognized intrinsic safety standards for use in Class 1, Division 1, Group C, D hazardous
- Alarms: NA
- Calibration: Air or certified span gas of O₂ balance N₂ approximating 80% of range above analysis range recommended
- 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 0.01 PPM; displays real time ambient temperature and pressure
- Enclosure: Aluminum ex-proof, fiberglass NEMA 4X, 16x9x6", 20 lbs
- Flow Sensitivity: None between 0.5-5 SCFH, 1-2 SCFH recommended
- Linearity: ±1% of full scale
- Pressure: Inlet - regulate to 5-30 psig to deliver 1-2 SCFH flow to transmitter; vent - atmospheric
- Power: 12-24 VDC (suitable for solar powered systems)
- Response Time: 90% of final reading in 10 seconds
- Sample System: Sample flow meter
- Sensitivity: < 0.5% of FS range
- Sensor Model: GPR-12-333
- Sensor Life: 24 months at 25°C and 1 atm.
- Signal Output: 4-20mA
- Operating Range: Recommended -10 °C to 45°C (GPR sensor)
-20° to 45°C (XLT sensor)
- Warranty: 12 months analyzer; 12 months sensor
- Wetted Parts: Stainless steel

**GPR-1800 IS ATEX
PPM Oxygen Transmitter**

**12-24 VDC 2 Wire Loop Power
Intrinsically Safe Oxygen Transmitter**

**ATEX Directive 94/9/EC
INERIS 08ATEX0036**

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

 0080

**ISO 9001:2008 QA System
INTERTEK Certificate No. 485**



Optional Equipment

- Sample conditioning systems - Contact factory
- XLT-12-333 for gases containing > 0.5% CO₂