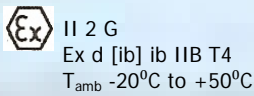




## Technical Specifications

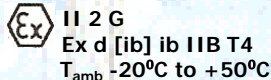
Accuracy:	< 1% of FS range under constant conditions
Analysis:	0-10 PPM, 0-100 PPM, 0-1000 PPM, 0-1% and 0-25% FS ranges; auto-ranging or manually lock on single range
Application:	Oxygen analysis in inert, hydrocarbon, helium, hydrogen, mixed and acid (CO <sub>2</sub> ) gas streams
Approvals:	EC TYPE EXAMINATION CERTIFICATE: INERIS 08ATEX0036 
Area Classification:	Meets recognized intrinsic safety standards for use in Zone 1; Class 1, Division 1, Group C and D hazardous areas
Alarms:	Two user configurable alarms: magnetic coil relays rated 3A at 110 VAC, field programmable alarm time delays, alarm bypass for calibration and system fail alarm.
Calibration:	Air calibrate or certified span gas of O <sub>2</sub> balance N <sub>2</sub> approx 80% of analysis range or one range above
Compensation:	Barometric pressure and temperature
Connections:	1/4" compression tube fittings
Controls:	Water resistant keypad; menu driven and field selectable range selection, calibration value and alarm functions
Display:	Graphical LCD 2.75x1.375"; resolution 0.01 PPM; displays real time ambient temperature and pressure
Enclosures:	Aluminum ex-proof, fiberglass NEMA 4X
Flow Sensitivity:	None between 0.5-5 SCFH, 1-2 SCFH recommended
Linearity:	±1% of full scale
Pressure:	Inlet - regulate to 5-30 psig; vent - atmospheric
Power:	12-24 VDC (suitable for solar power systems) or 100/230 VAC
Response Time:	90% of final FS reading in 10 seconds
Sample System:	Standard: Sample flow meter only; shown with optional A-3393 H <sub>2</sub> S sample system 16x16" panel with coalescing filter, 3-way sample/span valve, H <sub>2</sub> S scrubber
Sensitivity:	< 0.5% of FS range
Sensor Model:	GPR-12-333 for inert gases XLT-12-333 for gas streams with > 0.5% CO <sub>2</sub>
Sensor Life:	24 months at 25°C and 1 atm
Signal Output:	4-20mA
Operating Range:	Recommended -20°C to 45°C (XLT sensor); -10°C to 45°C (GPR sensor)
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel



## GPR-1500 AIS

12-24 VDC or 100/230 VAC Powered  
Intrinsically Safe Oxygen Analyzer

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





ISO 9001:2000 QA System  
INTERTEK Certificate No. 485

## Optional Equipment

Expanded sample system to include pressure regulator w/gauge, continuous liquid drain system - consult factory for details.