




Technical Specifications

Accuracy:	< 1% of FS range under constant conditions
Analysis:	0-1%, 0-5%, 0-10%, 0-25% FS ranges; auto-ranging or manually lock on single range
Application:	Oxygen analysis in inert, hydrocarbon, helium, hydrogen, mixed and acid (CO ₂) gas streams
Approvals:	EC TYPE EXAMINATION CERTIFICATE: INERIS 08ATEX0036  II 1 G Ex ia 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
Calibration:	Air or certified span gas of O ₂ balance N ₂ 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 0.001%; displays real time ambient temperature and pressure
Enclosure:	Painted aluminum NEMA 4X, 4"x9"x3", 8 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:	24 VDC
Response Time:	90% of final reading in 10 seconds
Sample System:	None
Sensitivity:	< 0.5% of FS range
Sensor Model:	GPR-11-32-4 for inert gases; XLT-11-24-4 for gases containing > 0.5% CO ₂
Sensor Life:	32 months (GPR); 24 months (XLT) 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

Optional Equipment

Sample conditioning system - Contact factory.



GPR-2500 ATEX

2 Wire Loop Powered O₂ Transmitter

ATEX Directive 94/9/EC
INERIS 08ATEX0036

 II 1 G
Ex ia IIB T4
T_{amb} -20°C to +50°C

Intrinsic Safety Barrier
MTL7706+ OR EQUIVALENT



ISO 9001:2000 QA System
INTERTEK Certificate No.485

