



GPR-1500 DA Oxygen Analyzer

**12-24 VDC Non-Loop Power
2 Field Selectable Alarm Set Points**

**Advanced Sensor Technology
Sensitivity < 0.5% FS Range
Fast Recovery from Air to 10 ppm
Long Life, No Maintenance
Compatible with 0-100% CO₂**

**3 Standard Analysis Ranges
Auto or Fixed Ranging**

4-20mA Signal Output

Stainless Steel Wetted Parts

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



Technical Specifications

Accuracy:	< 2% of FS range under constant conditions
Analysis:	0-100 PPM, 0-1000 PPM, 0-1%, 0-25% (air calibration only) FS ranges; auto or fixed ranging
Application:	Oxygen analysis in inert, hydrocarbon, helium, hydrogen, mixed and acid (CO ₂) gas streams
Area Classification:	General purpose
Alarms:	Two user configurable alarms: magnetic coil relays rated 3A at 100 VAC, field programmable alarm time delays, alarm bypass for calibration and system fail alarm
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, calibra- tion and system functions
Display:	Graphical LCD 2.75" x 1.375"; resolution 0.01 PPM; displays real time ambient temperature and pressure
Enclosure:	Fiberglass NEMA 4X, 14"x10"x5", 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:	12-24 VDC non-loop power
Recovery Time:	60 seconds in air to < 10 PPM in < 1 hour on N ₂ purge
Response Time:	90% of final reading in 10 seconds
Sample System:	None
Sensitivity:	< 0.5% of FS range
Sensor Model:	GPR-12-100-M for inert gases; XLT-12-100-M for gases containing > 0.5% CO ₂
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

Optional Equipment

Sample conditioning system - Contact factory.