



## **GPR-1500 N Oxygen Transmitter**

**12-24 VDC Two Wire Loop Power**

**Advanced Sensor Technology**

**Sensitivity < 0.5% FS Range**

**Fast Recovery from Air to 10 ppm**

**Long Life, No Maintenance**

**Compatible with 0-100% CO<sub>2</sub>**

**4 Standard Analysis Ranges**

**Auto or Fixed Ranging**

**4-20mA Signal Output**

**Stainless Steel Wetted Parts**



**INTERTEK Certificate No. 485**

### **Technical Specifications**

Accuracy:	< 2% of FS range under constant conditions
Analysis:	0-10 PPM, 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 <sub>2</sub> ) gas streams
Area Classification:	General purpose
Alarms:	None
Calibration:	Air or certified span gas of O <sub>2</sub> balance N <sub>2</sub> 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:	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 two wire loop power
Recovery Time:	60 seconds in air to < 10 PPM in < 1 hour on N <sub>2</sub> purge
Response Time:	90% of final reading in 10 seconds
Sample System:	None
Sensitivity:	< 0.5% of FS range
Sensor Model:	GPR-12-333 for inert gases; XLT-12-333 for gases containing > 0.5% CO <sub>2</sub>
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.