GPR-1500 DN PPM O2 TRANSMITTER

ATEX certified 2-wire loop powered PPM oxygen transmitter, 0-100 PPM low range, measures O2 concentrations from 0.1 PPM to 1%. The transmitter features

- certification to ATEX Directive 94/9/EC
- an advanced galvanic trace PPM oxygen sensor
- 24 month operating sensor life
- menu driven controls and
- a stainless steel sample system.

To comply with ATEX hazardous area certification, an intrinsic safety barrier is required.

TECHNICAL SPECIFICATIONS

*Accuracy:	< 2% of FS range under constant conditions	Analysis:	0-100 PPM, 0-1000 PPM, 0-1%, 0-25% FS ranges
Application:	Oxygen analysis in inert, hydrocarbon, hydrogen, mixed and acid (CO_2) gas streams	Approvals:	ATEX certified for use in hazardous areas
Area Classification:	Class I, Division 1, Group C,D hazardous areas with external intrinsic safety barrier	Calibration:	Air or certified span gas of O_2 balance N_2
Compensation:	Barometric pressure and temperature	Connections:	1/8″ compression tube fittings
Controls:	Menu driven range selection, calibration and system functions	Display:	Graphical LCD 2.75" x 1.375"; resolution 0.1 PPM; displays real time ambient temperature and pressure
Enclosure:	Fiberglass NEMA 4X, 6.75"x8.375"x4.25″, 8 lbs.	Flow Sensitivity:	Not flow sensitive, 1-2 SCFH recommended
Linearity:	±1% of full scale	Pressure:	Inlet – regulate to 5-30 psig, vent – atmospheric
Power:	18-24 VDC	Recovery Time:	30 seconds in air to < 100 PPM in < 15 mins on N2purge
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
Sensor Life:	24 months in	Signal Output:	4-20mA non-isolated
Operating Range:	0 ºC to 45ºC (GPR sensor) -10 ºC to 45ºC (XLT)	Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel		

*At constant temperature and pressure

Optional Equipment	
XLT-12-100M	Sensor for gas mixtures containing CO_2 >0.5%
Sample System	Flow control, flow meter, pressure regulator
Wall Mount	Wall Mount Enclosure GPR-2600W