Analytical Industries Inc.
Advanced Instruments Inc.

GPR-1500 PPM O2 TRANSMITTER

ATEX approved Intrinsically safe 2-wire loop powered PPM oxygen transmitter 0-10 PPM low range, for measuring O2 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.

Caution: To comply with ATEX Directive 94/9/EC, the user must use recommended safety barrier

Certification: ATEX II 2B
Ex ia IIB T4 Gb
T_{amb} -10ºC to 45ºC

TECHNICAL SPECIFICATIONS

***Accuracy:**	< 2% of FS range under constant conditions	**Analysis Ranges:**	0-10 PPM, 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:**	INERIS 08ATEX0036 II 1 G Ex ia IIB T4
Area Classification:	Class 1, Division 1, Group C, D hazardous	**Calibration:**	Air or certified span gas of O2 balance N2
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 0.01 PPM
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, vent – atmospheric
Power:	18-24 VDC Loop Power	**Recovery Time:**	60 seconds in air to < 10 PPM in < 1 hour on N2purge
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;
Sensor Life:	18 months at 25ºC and 1 atm.	**Signal Output:**	4-20mA Loop Current
Operating Range:	-10 ºC to 45ºC	**Warranty:**	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel		

*At constant temperature and pressure

Optional Equipment	
XLT-12-333	Sensor for gas mixtures containing CO2 >0.5%
Sample System	Flow control valve, flow meter, SS housing
Barrier	Intrinsic safety barrier