



GPR-1500 AIS PPM O2 TRANSMITTER

Natural gas ATEX, cUL approved PPM Oxygen Transmitter, 0-10 PPM low range, measures O₂ concentrations from 0.01 PPM to 1%. The GPR-1500 AIS features certification to ATEX Directive 94/9/EC and cUL designed exclusively for Natural Gas applications. This analyzer features an advanced galvanic trace PPM oxygen sensor, a 18 month operating sensor operating life, menu driven controls, two (2) field selectable alarm set points. Pictured with optional A-3393 modular sample system designed to remove moderate amounts of free liquids and H₂S from natural gas streams.

Certifications:

ULc Class I Div I Group C, D
ATEX Directive 94/9/ II 2G
Ex d [ib] ib IIB T4 Gb
T_{amb} -10°C to 50°C



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:	ATEX Directive 94/9/EC II 2 G Ex d [ib] ib IIB T4 Gb T _{amb} -20°C to +50°C
Area Classification:	cUL for Class 1, Division 1, Group C, D hazardous	Alarms:	Two user configurable alarms: relays rated 3A at 100 VAC, alarm time delays, alarm bypass, power/system fail alarm
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 0.01 PPM; displays real time ambient temperature and pressure	Enclosure:	Aluminum ex-proof, fiberglass Type R3, 16x9x6", 20 lbs.
Flow:	1-5 SCFH, 1-2 SCFH recommended	Linearity:	>0.995 over all ranges
Pressure:	Inlet – regulate to 5-30 psig to deliver 1-2 SCFH flow to transmitter; vent – atmospheric	Power:	12-24 VDC or 100/230 VAC (ATEX only)
Response Time:	90% of final reading in 10 seconds	Sample System:	Flow control/meter, sample/span valve
Sensitivity:	< 0.5% of FS range	Sensor Model:	XLT-12-333 for gases containing > 0.5% CO ₂
Sensor Life:	24 months at 25°C and 1 atm.	Signal Output:	4-20 mA non loop current
Operating Range:	Recommended -10°to 45°C	Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel	Communication:	Optional Mod-bus communication

*At constant temperature and pressure

Optional Equipment	
GPR-12-333	Sensor for gas mixtures free of CO ₂
Sample system	Pressure regulator, pressure gauge, H ₂ S scrubber, coalescing filter
Enclosure	Analyzer enclosed in NEMA4 enclosure



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