

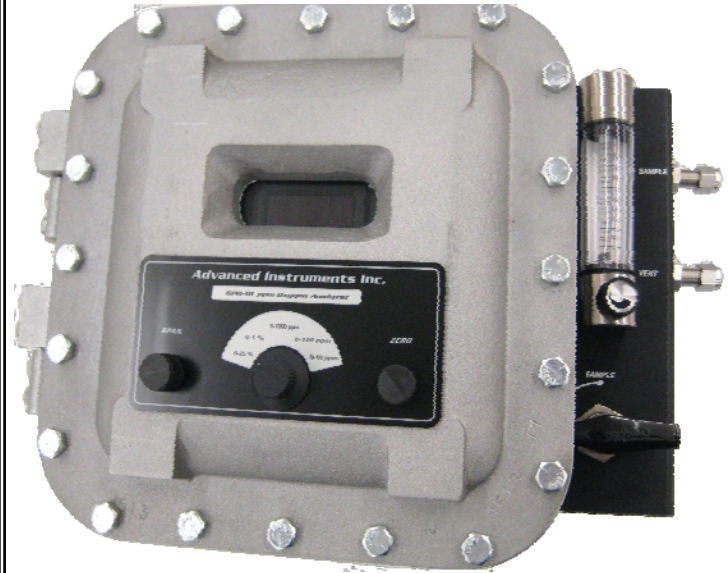


Technical Specifications

Accuracy:	< 1% of FS range under constant conditions												
Analysis:	0-10 ppm, 0-100, 0-1000 ppm, 0-1%, 0-25% FS ranges												
Application:	Oxygen analysis from 100 ppb to 1% in inert, helium, hydrogen, mixed and CO ₂ acid (XLT sensor) gas streams												
Approvals:	N/A												
Area Classification:	Meets standards for Class 1, Division 1, Groups B, C, D NEMA4/7 hazardous areas												
Alarms:	2 adjustable form C relay contacts non-latching; sensor and power failure												
Calibration:	Certified gas of O ₂ balance N ₂ approximating 80% FS on analysis range or next higher range												
Compensation:	Temperature												
Connections:	1/8" compression tube fittings												
Controls:	Explosion proof actuators for range selection, zero and span calibration adjustments												
Display:	3-1/2 digit bright red LCD; resolution .01 ppm												
Enclosure:	Painted aluminum 12" x 11.5" x 10.5" wall mount, 55 lbs.												
Flow Sensitivity:	None between 1-5 SCFH, 2 SCFH recommended												
Linearity:	> .995 over all ranges												
Pressure:	Inlet - regulate to 5-30 psig, max 100 psig; vent - atmospheric not to exceed ±14" water column												
Power:	Specify 100/120 or 220/240 VAC												
Recovery Time:	<table border="0"> <tr> <td>O₂ Level</td> <td>Duration</td> <td>O₂ Target</td> <td>Recovery on N₂</td> </tr> <tr> <td>Air</td> <td>2 minutes</td> <td>10 ppm</td> <td>60 minutes *</td> </tr> <tr> <td>Air</td> <td>2 minutes</td> <td>1 ppm</td> <td>20 minutes **</td> </tr> </table> <p>* Installation ** In service for 2 weeks at 1 ppm</p>	O ₂ Level	Duration	O ₂ Target	Recovery on N ₂	Air	2 minutes	10 ppm	60 minutes *	Air	2 minutes	1 ppm	20 minutes **
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Air	2 minutes	1 ppm	20 minutes **										
Response Time:	90% of final FS reading < 10 seconds												
Sample System:	Flow control and bypass valves; flow indicator												
Sensitivity:	< 0.5% of FS range												
Sensor Model:	GPR-12-333 - requires no maintenance												
Sensor Life:	24 months at 25°C and 1 atm; average O ₂ < 100 ppm												
Signal Output:	4-20mA isolated and 0-1V												
Temp. Range:	GPR Sensor 5° to 45°C; XLT Sensor -20° to 45°C												
Warranty:	12 months analyzer; 12 months sensor												
Wetted Parts:	Stainless steel												

Optional Equipment

- XLT-12-333 ppm Oxygen Sensor (continuous in CO₂ gas above 0.5%)
- Temperature controlled heater system (recommended for analysis < 1 ppm)
- Sample conditioning accessories - contact factory



GPR-18 Explosion Proof ppm O₂ Analyzer

Advanced Galvanic Sensor Technology

Accuracy < 1% FS Range

Sensitivity < 0.5% FS Range

Excellent Stability

24 Month Expected Sensor Life

5 Standard Analysis Ranges

Flame Arrestors (standard)

SS Sample System

Isolated 4-20 mA Signal Output

ISO 9001:2008 QA System

INTERTEK Certificate No.485



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