



## 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 <sub>2</sub> acid (XLT sensor) gas streams												
Approvals:	ATEX Certified explosion proof Ex d IIB+H <sub>2</sub> T6, CE												
Area Classification:	As above; 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 <sub>2</sub> balance N <sub>2</sub> 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 16" x 18" x 11" wall mount, 70 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>O<sub>2</sub> Level</td> <td>Duration</td> <td>O<sub>2</sub> Target</td> <td>Recovery on N<sub>2</sub></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 <sub>2</sub> Level	Duration	O <sub>2</sub> Target	Recovery on N <sub>2</sub>	Air	2 minutes	10 ppm	60 minutes *	Air	2 minutes	1 ppm	20 minutes **
O <sub>2</sub> Level	Duration	O <sub>2</sub> Target	Recovery on N <sub>2</sub>										
Air	2 minutes	10 ppm	60 minutes *										
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 <sub>2</sub> < 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 CO<sub>2</sub> gas above 0.5%)
- Temperature controlled heater system (recommended for analysis < 1 ppm)
- Sample conditioning accessories - contact factory



## *GPR-18 ATEX Explosion Proof ppm O<sub>2</sub> Analyzer*

**ATEX Directive 94/9/EC**



**EEx d IIB+H<sub>2</sub> T6**

**Certificate: INERIS 07ATEX0025X**

**QA Notification: INERIS 07ATEXQ712**

### 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)**



**0080**

**ISO 9001:2008 QA System**

**INTERTEK Certificate No.485**

