



Advanced Instruments Inc.

Gas analysis solutions through advanced analyzer and sensor technology

Technical Specifications

Accuracy:	< 1% of FS range under constant conditions
Analysis:	0-1%, 0-5%, 0-10%, 0-25% FS ranges; auto-ranging or manually lock on single range
Application:	Oxygen analysis from 0.05% to 100% in inert, helium, hydrogen, mixed and acid (CO ₂) gas streams
Approvals:	CE
Area Classification:	General purpose
Alarms:	2 adjustable form C relay contacts non-latching; "weak sensor" indicator; power failure; system failure
Calibration:	Certified gas of O ₂ balance N ₂ approximating 80% of range above analysis range recommended for optimum
Compensation:	Barometric pressure and temperature; optional heated sample system and sensor housing
Connections:	1/8" compression tube fittings
Controls:	Water resistant keypad; menu driven range selection, calibration, alarm and system functions
Data Acquisition:	Selectable data point intervals
Display:	Graphical LCD 5" x 2.75"; resolution .001%; displays real time ambient temperature and pressure
Enclosure:	Painted aluminum 7.5" x 10.8" x 12.25" panel mount
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
Power:	Universal; specify 100/120 or 220/240 VAC with heater
Response Time:	90% of final FS reading < 10 seconds
Sample System:	Flow control, flow indicator
Sensitivity:	< 0.5% of FS range
Sensor Model:	GPR-11-32-4 - requires no maintenance
Sensor Life:	36 months in air at 25°C and 1 atm
Signal Output:	4-20mA isolated and 0-1V
Temp. Range:	-10° to 45°C (GPR sensor), -20° to 45°C (XLT sensor)
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Corrosion resistant material

Optional Equipment

XLT-11-24-4 sensor with > 0.5% CO₂ present; 24 month sensor life
 Bezel for 19" rack mounting; wall mount NEMA4 and 4X enclosure
 Temperature controlled heater system for elimination of drift and outdoor use
 Sample conditioning accessories - contact factory



GPR-2600 Process Oxygen Analyzer

Advanced Sensor Technology

Accuracy < 1% FS Range

Sensitivity < 0.5% FS Range

Fast Response

Extended Operating Range

36 Month Expected Life

No Maintenance

Compatible in 0-100% CO₂

Auto Zero, Span Calibration

4 Standard Analysis Ranges

Auto-ranging or Manual

Custom Sample Systems

Remote Communication Link

Certified ISO 9001 QA System

