



# Advanced Instruments Inc.

Gas analysis solutions through advanced analyzer and sensor technology

## Technical Specifications

Accuracy:	< 1% of FS range at constant conditions; inherent accuracy of 0.1% following calibration with 95-100% oxygen
Analysis:	0-100% FS range
Application:	Continuous monitoring of high purity oxygen levels up to 100% oxygen in inert, helium, hydrogen and mixed gases
Approvals:	CE, CSA/NRTL
Area Classification:	General purpose
Alarms:	Adjustable LO, LO alarm with two color red-green LED indicators
Calibration:	Certified gas of O <sub>2</sub> balance N <sub>2</sub> approximating 80% of range above analysis range recommended for optimum results
Compensation:	Barometric pressure and temperature
Connections:	Inlet - 1/8" and vent - 1/4" compression fittings
Controls:	External tamper resistant span calibration potentiometer, internal potentiometers for setting alarms
Display:	Graphical LCD 2.75" x 1.375"; resolution .1%
Enclosure:	Painted aluminum NEMA 4X, 11"x6.5"x3.5", 8 lbs.
Flow Sensitivity:	None between 0.5-5 SCFH, 2 SCFH recommended
Linearity:	> .995 over all ranges
Pressure:	Inlet - regulate to 5-30 psig; vent - atmospheric
Power:	12VDC rechargeable battery, 8 hours service from overnight charge; operates on 110 or 220VAC while charging
Response Time:	90% of final FS reading in 13 seconds
Sample System:	None - designate either connection as inlet or vent
Sensitivity:	0.1% oxygen
Sensor Model:	GPR-11-120-RTS - requires no maintenance
Sensor Life:	24 months in 100% oxygen at 25°C and 1 atm
Signal Output:	0-1V
Temp. Range:	5° to 45°C
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel

## Optional Equipment

- 4-20mA isolated signal output (operates only in AC power mode)
- Flowmeter mounted on external gas panel
- Sample conditioning accessories - contact factory



## GPR-35 MO Portable Oxygen Purity Analyzer

Advanced Sensor Technology  
Accuracy < 1% FS Range  
Sensitivity < 0.1% Oxygen

Fast Response  
Extended Operating Range  
24 Month Expected Life  
No Maintenance

Unaffected by Motion or Vibration  
Barometric Pressure Compensated  
Adjustable LO, LO Alarms

Dual Color Green-Red LED Indicators  
Rechargeable Battery or AC Power  
Water Resistant Enclosure  
Certified ISO 9001 QA System

