



# Advanced Instruments Inc.

Gas analysis solutions through advanced analyzer and sensor technology

## Technical Specifications

Accuracy:	< 1% of reading under constant conditions
Analysis:	0-25% FS ranges
Application:	Monitor oxygen content of ambient atmospheres or confined spaces which could be depleted by inert, hydrocarbon, helium or mixed gases
Approvals:	CE
Area Classification:	General purpose
Alarms:	Two adjustable SPDT Form C non-latching relay contacts, preset to OSHA 20.0% Caution, 19.5% Danger settings
Calibration:	Certified gas of O <sub>2</sub> balance N <sub>2</sub> approximating 80% of range above analysis range recommended for optimum results. Supplied with flow through adapter with tube connections
Compensation:	Barometric pressure and temperature
Connections:	None
Controls:	Tamper proof potentiometer for span calibration
Display:	3-1/2 digit LCD display; resolution .1%
Enclosure:	Painted aluminum NEMA 4X, 4x9x3", 8 lbs.
Flow Sensitivity:	None between 0.5-5 SCFH, 2 SCFH recommended for cal
Linearity:	> .995 over all ranges
Pressure:	Ambient
Power:	100/110/220/240 VAC and battery back-up on trickle charge; battery life 30 days or 12 hours in alarm mode
Response Time:	90% of final FS reading in 13 seconds
Sample System:	None - exposed to ambient atmosphere
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:	0-1V
Temp. Range:	-10° to 45°C
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Corrosion resistant material

## Optional Equipment

Remotely located sensor  
19.5% LO and 23.% HI alarm configuration  
Integral sampling pump  
4-20mA isolated signal output



## **GPR-35** **Ambient Oxygen Monitor**

**Pressure Compensated=No False Alarms**

**Advanced Sensor Technology**

**Accuracy < 1% FS Range**

**Sensitivity < 0.5% FS Range**

**Fast Response**

**Extended Operating Range**

**36 Month Expected Life**

**No Maintenance**

**Dual OSHA Alarms 20.0%, 19.5%**

**Dual Red-Green LED Alarm Indicators**

**LED Indicators for AC Failure, Low Batt**

**NEMA 4X Enclosure**

**Optional HI, LO Alarms**

**Optional Integral Pump, 4-20mA**

**Certified ISO 9001 QA System**

