



# Analytical Industries Inc.

Gas analysis solutions through advanced analyzer and sensor technology



**AII-3000 M Oxygen Monitor**



## **AII-3000 M Oxygen Monitor with HI, LO Alarms**

**Advanced Sensor Technology  
32 Month Life in Air  
Fast Response - 9 Seconds  
12 Month Warranty  
No Maintenance**

**State of the Art Electronics  
Auto Diagnostics  
Intuitive Interface  
Integral Tripod and Pole Bracket  
Large Backlit LCD Display  
Alarms: LO 15-99%, HI 16-100%  
2 ft Cable Extends to 6 ft**

**Certified QA System -  
ISO 9001:2000  
MDD 93/42/EEC Annex II  
ISO 13485:2003**

### Technical Specifications

Accuracy:	< $\pm 1\%$ of FS range under constant conditions
Analysis:	0-100% oxygen
Application:	Personal Safety Area Monitoring Confined Space Monitoring Control Room Monitoring for Oxygen Deficiency Verify O <sub>2</sub> Content of Diving and Compressed Air Tanks Verify O <sub>2</sub> Content of Welding Gases and/or Atmospheres
Approvals:	ISO 9001:2000, MDD 93/42/Annex II, ISO 13485:2003
Area Classification:	General purpose
Alarms:	User adjustable HI alarm 16-100% and LO alarm 15-99%; 120 second alarm silence for calibration purposes HI alarm defeat for intermittent use at 100% O <sub>2</sub>
Calibration:	Air or certified 100% O <sub>2</sub> every 8 hours; time - 90 seconds
Compensation:	Temperature compensated
Connections:	1x16 mm thread or push-in flow diverter with o-ring seal
Controls:	Soft touch keypad for ON/OFF and menu function
Dimensions:	3.6 x 5.9 x 1.6"; weight 10 oz. (280 grams)
Display:	3-1/2 digit backlit LCD 2.5" x 1.5"; resolution 0.1% O <sub>2</sub>
Flow Sensitivity:	None between 0.2 to 10 liters per minute
Humidity:	Non-condensing 0-95% RH
LED Indicators:	Activation of alarm condition(s)
Linearity:	$\pm 1\%$ under constant conditions
Pressure:	Inlet - ambient; vent - atmospheric
Power:	2 AA Alkaline batteries; 1,200 hours continuous use
Response Time:	90% of final FS reading in 9 seconds
Sensitivity:	< 0.5% of FS range
Sensor:	AII-11-60
Sensor Life:	32 months in air at 25°C and 1 atmosphere
Signal Output:	None
Storage Temp.:	-20° to 55°C (-4°F to 131°F) on intermittent basis
Temp. Range:	0° to 40°C (32°F to 104°F)
Warm-up Time:	None
Warranty:	12 months analyzer; 12 months sensor

### Options & Accessories

- Coil Cable (P/N CABL-1006)
- Flow diverter (P/N FITN-1065) (shown installed on sensor in photo above)
- Tee adapter (P/N FITN-1009)
- (2) AA 1.5V Battery (P/N BATT-1003)
- Carrying Case (P/N ENCL-1072)