



Analytical Industries Inc.
Advanced Instruments Inc.

AII 3000 Series Oxygen Analyzers

Technical Specifications

Accuracy:	< $\pm 2\%$ of FS range under constant conditions
Analysis:	0-100% oxygen
Application:	Personnel safety Area monitoring O2 deficiency in confined spaces Checking breathing air tanks Checking tanks intended for scuba diving Confirming the O2 levels prior to welding
Approvals:	ISO 9001:2000, MDD 93/42/Annex II, ISO 13485:2003
Area Classification:	General purpose
Alarms:	A models: None; M models: User adjustable HI 1-100% and LO 0-99% alarms; 120 second alarm silence for calibration purposes; HI alarm defeat for 100% O ₂ analysis
Calibration:	Air or certified 100% O ₂ every 8 hours
Compensation:	Temperature compensated
Connections:	A/M models: 1x16 mm thread; HC models: Tubing 1/4"
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 2.75 x 1.375; resolution 0.1% O ₂
Flow Sensitivity:	None between 0.2 to 10 liters per minute
Humidity:	Non-condensing 0-95% RH
LED Indicators:	A models: None; M models: upon activation of alarms
Linearity:	$\pm 1\%$ under constant conditions
Pressure:	Inlet - A/M models ambient, HC models - regulate; Vent all models - 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:	A/M models: AII-11-60; HC models: AII-11-60-HC
Sensor Life:	60 months in air at 25°C and 1 atmosphere
Signal Output:	None
Storage Temp.:	-20° to 60°C (-4°F to 140°F) on intermittent basis
Temp. Range:	5° to 45°C (41°F to 113°F)
Warm-up Time:	None
Warranty:	12 months analyzer; 12 months sensor

Accessories - see back page



AII-3000 A



AII-3000 AHC



AII-3000 M



AII-3000 MHC



Aii 3000 Series Optional Accessories

Spare Parts

AII-3000 A, AII-3000 M

- All-11-60 Oxygen Sensor
- BATT-1008 Battery (2x) 1.5V AA
- P-1087 Instructions for Use
- A--1162 PCB Assy Main
- CABL-1006 Coil Cable

AII-3000 AHC, AII-3000 MHC

- All-11-60-HC Oxygen Sensor
- BATT-1008 Battery (2x) 1.5V AA
- P-1087 Instructions for Use
- A-1162 PCB Assembly Main
- TUBE-1019 7/32" OD Tubing 3'



A-3388 Adapter, Dome to Sensor



A-3675 Adapter, 5/32" Tube to Sensor



A-3671 Adapter, BC with Restrictor to Sensor



FITN-1112-1 Flow Diverter



FITN-1009 Tee Adapter



A-3676 Adapter, 1/8" Tube to Sensor



TUBE-1018 Tubing, 1/8" x 3'



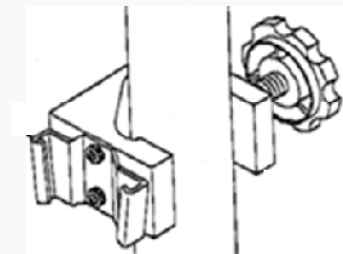
A-3609 Adapter, Dome to 1/8" Tube

CC-1072 Carrying Case

**Diving
Industrial
Welding**



A-3673 BC with Restrictor to 1/8" Tube



HRWR-1075 Dovetail Clamp Pole or Shelf



A-3678 Adapter, A-Yoke to 1/8" Tube



A-3677 Adapter, DIN to 1/8" Tube

A-3692 Hand Pump Kit



A-3674 Adapter, 5/16" Tube to Sensor



PUMP-1020 Pump, Hand

TUBE-1020 Tubing, 5/16" x 3' (2x pcs)