

Handheld oxygen analyzers for medical use (respiratory therapy)

AII-2000 and AII-2000 Palm O₂

Analytical Industries' AII-2000 series or Palm O₂ handheld oxygen analyzers provide a very easy way to verify oxygen and other medical gases used in medical or veterinary clinics. These FDA approved inexpensive medical gas analyzers use maintenance-free advanced galvanic oxygen sensors and will operate for up to 32 months. Based on decades of experience in the design and manufacture of oxygen instrumentation for respiratory medical devices, both models have been specifically designed for spot checking oxygen levels in anaesthesia, intensive care, incubators or other variants of respiratory or oxygen therapy.

Highlights

- Very easy to operate
- Maintenance free
- 0-100% O₂ range
- Up to 32 months sensor lifetime
- Integral or remote sensor options
- Long battery life: up to 18 months of continuous operation for AII-2000 Palm O₂

Applications

Measuring oxygen concentrations for:

- Anaesthesia
- Respiratory therapy
- Neo-natal & paediatric incubators & hoods
- Oxygen therapy
- Intensive care
- Emergency transport

Accessories:

- Carry case
- Dovetail clamp for mounting on a pole or shelf
- Flow-through connector



Technical Specifications

	AII-2000 A/AHC	AII-2000 M	AII-2000 Palm R	AII-2000 Palm O ₂
Measurement range	0-100% oxygen			
Accuracy	< ±2% of range at constant conditions			
Response time	T90 < 10 seconds			
Sensitivity (LDL)	0.1%			
Linearity	< 2% of scale			
Sensor	AII-11-60 (A model) or AII-11-60-HC (HC model)	AII-11-60	AII-11-75-PO2R	
Sensor life at 25°C (77°F) and 1 atm	60 months in air		32 months in air	
Calibration interval	After 8 hours of use			
Inlet pressure	Ambient 0.34-2 barg (5-30 psig) with atmospheric vent			
Flow rate	0.2-10 NI/m (0.4-20 SCFH)			
Gas connections	1x16 mm thread or push-in flow diverter with o-ring seal			
Display	3½ digit backlit LCD 7 x 3.5cm (2.75 x 1.375"); resolution 0.1		3 digit LCD 2.8 x 1.6cm (1.1 x 0.625"); resolution 0.1	
Dimensions	9.1 x 14.9 x 4cm (3.6 x 5.9 x 1.6")		6.9 x 10.4 x 3.4cm (2.72" x 4.1" x 1.35")	
Weight	280g (10oz)		196g (7oz)	
Compensation	Temperature			
Alarms	None	User configurable HI & LOW alarms	None	
LED indicators	None	Alarm status	None	
Storage temperature	0° to 45°C (32°F to 113°F) -20°C to 60°C (-4°F to 140°F) on intermittent basis			
Operating temperature	5° to 45°C (41°F to 113°F)			
Humidity	Non-condensing 0-95% RH			
Power	2 AA Alkaline batteries; 1,200 hours continuous use		2 AA alkaline batteries; 13,000 hours continuous use	

