



Technical Specifications

Application:	The AII-2000 Palm O ₂ Oxygen Analyzer is intended for short term use in combination with therapeutic devices such as lung ventilators and incubators; monitoring vital physiological processes and parameters such as respiration, anesthesia, intensive or emergency care; monitoring the administration of gases using ventilators, anesthesia machines, hyperbaric chambers and medical gas mixers.
	The AII-2000 Palm O ₂ Oxygen Analyzer measure and displays an independent secondary confirmation of the oxygen concentration in breathing gases administered by other devices.
Analysis:	0-100% oxygen
Accuracy:	Less than \pm 1% of FS range under constant conditions and \pm 5% over the operating range
Application Considerations:	<ul style="list-style-type: none">◆ Anesthetic agents: Complies with ISO 80601-2-55 for the maximum error allowable over a given duration.◆ Temperature: Signal output and expected life change 2.54% per 1°C. Signal output is compensated within following ambient calibration, step changes of 15°C require 30-60 minutes to equilibrate.◆ Pressure: Signal output and expected life change proportionally. Accurate at any pressure provided it is constant, change is gradual simulating the human lung and the device is calibrated at the pressure of the sample gas.◆ Humidity: Non-condensing RH has no effect. Adding water vapor to the sample reduces the oxygen concentration.◆ Condensation: Causes erroneously readings if allowed to cover the sensing area or collect on electrical connections.◆ Electromagnetic Radiation: Susceptible to interference over frequencies from 26 MHz to 1000 MHz.
Calibration:	Air or certified 100% O ₂ before use or every 8 hours, after disconnecting or replacing the batteries or oxygen sensor
Cleaning:	Wipe components with a soft cloth dampened with water or mild 70% isopropyl alcohol solution in water.
Compensation:	Temperature
Connections:	1x16 mm thread or o-ring flow diverter
Controls:	Soft touch keypad for ON/OFF and Calibration
Dimensions:	2.72" x 4.1" x 1.35"; weight 7 oz. (196 grams)
Display:	3 digit LCD 1.1" x .625"; resolution 0.1% O ₂
Flow Sensitivity:	None between 0.2 to 10 liters per minute
Humidity:	Non-condensing 0-95% RH
Linearity:	\pm 1% under constant conditions
Operating Range:	5° to 45°C (41°F to 113°F)
Power:	(2) 1.5V AA alkaline batteries; 13,000 hrs of use
Pressure:	Inlet - ambient or regulated; vent - atmospheric
Response:	90% of final FS reading in 10 seconds
Sensitivity:	< 0.5% of FS range
Sensor:	AII-11-75-PO2
Sensor Life:	60 months in air at 25°C and 1 atm
Storage:	0° to 45°C (32°F to 113°F) on intermittent basis
Warm-up Time:	None
Warranty:	24 months analyzer; 18 months sensor



AII-2000 Palm O₂ Oxygen Analyzer

Advanced sensor technology

Intuitive interface ... accurate reliable results

State of the art electronics

One touch calibration ... 100% O₂ or air

13,000 hours of continuous battery use

Options & Accessories

- AII-11-75-PO2R Remote Oxygen Sensor
- FITN-1009 Tee Adapter
- A-3675-1 Home Care Kit
- A-3657-1 Dovetail Mounting Kit
- HRWR-1075 Dovetail Female Clamp Pole/Shelf
- HRWR-1157 Screwdriver
- HRWR-1158 Lanyard
- A-3657-1 Dovetail Mounting Kit

Manufactured under an
independently certified
Quality Management System

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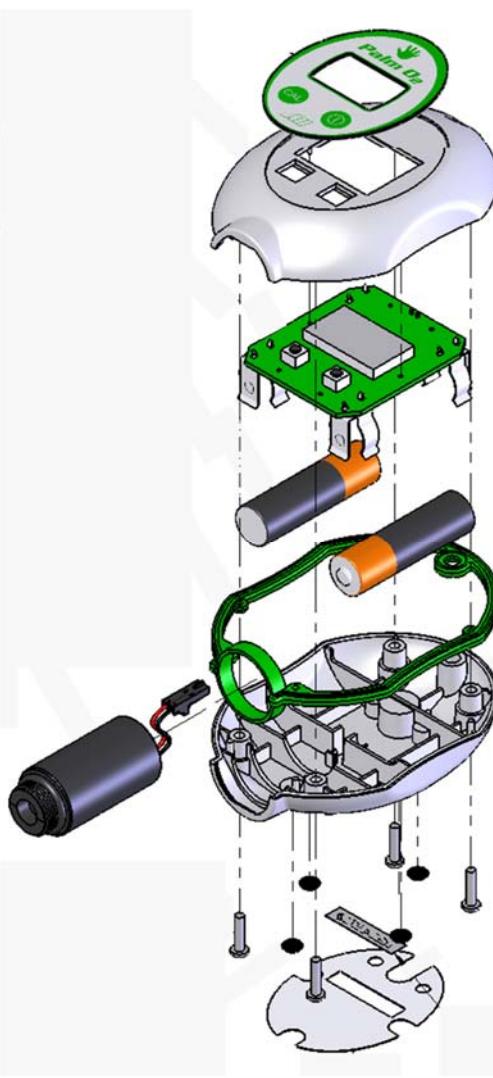
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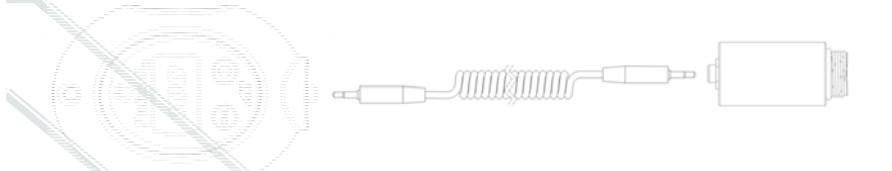


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Optional Accessories

AII-2000 Palm O₂ R Oxygen Analyzer, Remote Oxygen Sensor



Oxygen Analyzer
with A-3654 Remote
Sensor Connector

CABL-1009 Cable 6 ft.
Phone Plug with Lock Nut

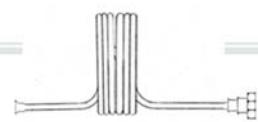
AII-11-75-PO2R
Oxygen Sensor

AII-2000 Palm O₂ Oxygen Analyzer

A-3675-1 Home Care Kit

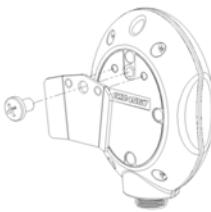


A-3675 Adapter 5/32"
Tube to Sensor

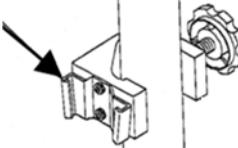


TUBE-1007 Tubing, 1/4"
7 ft. with Adapter

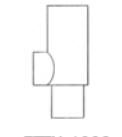
A-3657-1 Dovetail Mounting Kit



HRWR-1075 Dovetail Clamp



A-3657 Dovetail Bracket
HRWR-1162 Screw 1/4-20 x 3/8"



FITN-1112-1
Flow Diverter

FITN-1009
Tee Adapter

HRWR-1157 Screwdriver
HRWR-1158 Lanyard