



Technical Specifications

Application: The AII-2000 Palm O₂ 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 O₂ 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:**
- ◆ 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% O₂ 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% O₂

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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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

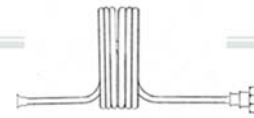
A-3675-1 Home Care Kit



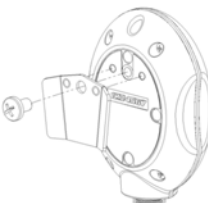
A-3657-1 Dovetail Mounting Kit



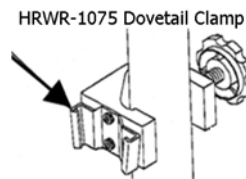
A-3675 Adapter 5/32"
 Tube to Sensor



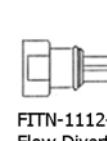
TUBE-1007 Tubing, 1/4"
 7 ft. with Adapter



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



HRWR-1075 Dovetail Clamp



FITN-1112-1
 Flow Diverter



FITN-1009
 Tee Adapter

HRWR-1157 Screwdriver
 HRWR-1158 Lanyard

