

Model AII-2000 Series & Palm O2 Series O2 Analyzers

Handheld Oxygen Analyzers for Medical Gases (Respiratory Therapy)

AII-2000 Series and Palm O2 Series

AII-2000 series and 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 anesthesia, intensive care, incubators or other variants of respiratory or oxygen therapy.

Applications

Measuring oxygen concentrations for:

- Anesthesia
- Respiratory therapy
- Neo-natal & pediatric incubators & hoods
- Oxygen therapy
- Intensive care
- Emergency transport

Highlights

- Very easy to operate
- Maintenance free
- 0-100% • Up to 32 months sensor lifetime O2 range
- Integral or remote sensor options



Model AII-2000A
(Sensor AII-60)

Features

- Continuous Monitoring or Spot Check
Ventilator
Anesthesia machine
Incubator
- Auto Diagnostics Calibration
- Manu Driven Electronics
- Large Backlit LCD for Easy Viewing
- Tripod stand and Dove tail Bracket
- Carrying case
- Dovetail mounting clamp
- Flow diverter & T Piece

Benefits

- Advanced Sensor Technology
- 60 Months Life in Air
- 2 Year Warranty
- 18 Months Warranty on O2 Sensor
- Intuitive Interface
- Latex Free
- Long battery life: up to 18 months
- 2 AA Alkaline batteries (1,200 hrs. continuous use)



Model AII-2000HC
(sensor AII-60-HC)

Features

- Spot Check with O2 Concentrator
- Auto Diagnostics Calibration
- Manu Driven Electronics
- Large Backlit LCD for Easy Viewing
- Tripod stand and Dove tail Bracket
- Carrying case
- Dovetail mounting clamp
- Flow diverter & T Piece

Benefits

- Advanced Sensor Technology
- 60 Months Life in Air
- 2 Year Warranty
- 18 Months Warranty on O2 Sensor
- Intuitive Interface
- Latex Free
- Long battery life: up to 18 months
- 2 AA Alkaline batteries (1,200 hrs. continuous use)

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Model AII-2000M
(sensor AII-11-60)

Features

- High and Low Alarm: User configurable
LO Alarm: 15-99%
HI Alarm: 16-100%
- Auto Diagnostics Calibration
- Manu Driven Electronics
- Large Backlit LCD for Easy Viewing
- Tripod stand and Dove tail Bracket
- Carrying case
- Dovetail mounting clamp
- Flow diverter & T Piece

Benefits

- Advanced Sensor Technology
- 60 Months Life in Air
- 2 Year Warranty
- 18 Months Warranty on O2 Sensor
- Intuitive Interface
- Latex Free
- Long battery life: up to 18 months
- 2 AA Alkaline batteries (1,200 hrs. continuous use)



Model Palm O2
(sensor AII-11-60)

Features

- Easy user interface: one touch controls
- Simple to use: accurate reliable results
- One touch calibration: 100% O2 or Air
- Advanced sensor technology
- State of the art electronics
- Tripod stand and Dove tail Bracket
- Lanyard
- Carrying case
- Dovetail mounting clamp
- Flow diverter & T Piece
- Screw Driver

Benefits

- Low Cost
- Advanced Sensor Technology
- 32 Months Life in Air
- 12 Months Warranty
- 12 Months Warranty on O2 Sensor
- Intuitive Interface
- Latex Free
- Long battery life: up to 18 months
- 2 AA Alkaline batteries (1,300 hrs. continuous use)



Model Palm O2R
(sensor AII-11-75-PO2R)

Features

- Remote Oxygen Sensor
- Easy user interface: one touch controls
- Simple to use: accurate reliable results
- One touch calibration: 100% O2 or Air
- Advanced sensor technology
- State of the art electronics
- Tripod stand and Dove tail Bracket
- Lanyard
- Carrying case
- Dovetail mounting clamp
- Flow diverter & T Piece
- Screw Driver

Benefits

- Low Cost
- Advanced Sensor Technology
- 32 Months Life in Air
- 12 Months Warranty
- 12 Months Warranty on O2 Sensor
- Intuitive Interface
- Latex Free
- Long battery life: up to 18 months
- 2 AA Alkaline batteries (1,300 hrs. continuous use)

Model AII-2000 Series & Palm O2 Series O2 Analyzers



AII-2000A



AII-2000HC

Technical Specifications

Accuracy	Less than +2% of FS range under constant conditions
Analysis	0-100% oxygen
Application	Anesthesia Respiratory Therapy - Ventilators, Respirators Neonatal & Pediatric Incubators & Hoods Oxygen Therapy - Intensive Care Emergency Transport
Approvals	ISO 9001:2000, MDD 93/42/Annex II, ISO 13485:2003
Area Classification	General purpose
Alarms	None
Calibration	Air or certified 100% O ₂ 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 2.75 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	None
Linearity	Greater than + 0.995% 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	Less than 0.5% of FS range
Sensor	AII-11-60 (A/M models) or AII-11-60-HC (HC model)
Sensor Life	60 months in air at 25°C and 1 atmosphere
Signal Output	None
Storage Temp.	0° to 45°C (32 to 113°F) on intermittent basis
Temp. Range	5° to 45°C (41 to 113°F)
Warm-up Time	None
Warranty	24 months analyzer; 18 months sensor (any application)

Optional Accessories

FITN -1009

T-Adapter (P/N FITN-1009)

HRWR-1075

Dovetail Pole/Shelf Clamp

CC-1072

Carrying Case

Model AII-2000 Series & Palm O2 Series O2 Analyzers



AII-2000M

Technical Specifications

Accuracy	Less than +2% of FS range under constant conditions
Analysis	0-100% oxygen
Application	Anesthesia Respiratory Therapy - Ventilators, Respirators Neonatal & Pediatric Incubators & Hoods Oxygen Therapy - Intensive Care Emergency Transport
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 flushing patients with 100% O ₂
Calibration	Air or certified 100% O ₂ 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 2.75 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	Activation of Alarm condition(s)
Linearity	Greater than + 0.995% under constant conditions
Pressure	Inlet - ambient; vent - atmospheric
Power	2 AA Alkaline batteries; 12,000 hours continuous use
Response Time	90% of final FS reading in 9 seconds
Sensitivity	Less than 0.5% of FS range
Sensor	AII-11-60
Sensor Life	60 months in air at 25oC and 1 atmosphere
Signal Output	None
Storage Temp.	0° to 45°C (32 to 113°F) on intermittent basis
Temp. Range	5° to 45°C (41 to 113°F)
Warm-up Time	None
Warranty	24 months analyzer; 18 months sensor (any application)

Model AII-2000 Series & Palm O2 Series O2 Analyzers



Palm O2



Palm O2R

Technical Specifications

Accuracy	Less than +2% of FS range under constant conditions
Analysis	0-100% oxygen
Application	Anesthesia Respiratory Therapy - Ventilators, Respirators Neonatal & Pediatric Incubators & Hoods Oxygen Therapy - Intensive Care Emergency Transport
Calibration	Air or certified 100% O ₂ 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	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	+ 1% under constant conditions
Pressure	Inlet - ambient; vent - atmospheric
Power	2 AA Alkaline batteries; 13,000 hours continuous use
Response Time	90% of final FS reading in 9 seconds
Sensitivity	Less than 0.5% of FS range
Sensor	AII-11-75-PO2
Sensor Life	32 months in air at 25oC and 1 atmosphere
Storage Temp.	-20° to 65°C (-4° to 140°F) on intermittent basis
Temp. Range	5° to 45°C (41° to 113°F)
Warm-up Time	None
Warranty	12 months analyzer; 12 months sensor (any application)

Optional Accessories

AII-11-75-PO2R Remote Oxygen Sensor (requires A-3654, CABL-1009)	HRWR-1075 Dovetail Female Clamp Pole/Shelf
FITN-1009 T-Adapter	HRWR-1157 Screwdriver
A-3675-1 Home Care Kit	HRWR-1158 Lanyard
A-3657-1 Dovetail Mounting Kit	A-3657-1 Dovetail Mounting Kit

Model AII-2000 Series & Palm O2 Series O2 Analyzers

Specifications Comparison

	AII-2000A and AII-2000HC	AII-2000 M	Palm O2R	Palm O2
Measurement range	0-100% oxygen			
Accuracy	< ±2% of range at constant conditions			
Response time	T90 < 10 seconds			
Sensitivity (LDL)	0.10%			
Linearity	< 2% of scale			
Sensor	All-11-60 (A model) or All-11-60-HC (HC model)	All-11-60	All-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 l/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) on intermittent basis		-20° 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; 12,000 hours continuous use		2 AA alkaline batteries; 13,000 hours continuous use	