



**Analytical Industries Inc.**

# Aii 2000 Series Oxygen Analyzers

## Technical Specifications

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy:            | < $\pm 1\%$ of FS range under constant conditions                                                                                                                 |
| Analysis:            | 0-100% oxygen                                                                                                                                                     |
| Application:         | Anesthesia<br>Respiratory Therapy - Ventilators, Respirators<br>Neonatal & Pediatric Incubators & Hoods<br>Oxygen Therapy - Intensive Care<br>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 <sub>2</sub> 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 <sub>2</sub>                                                                                              |
| Flow Sensitivity:    | None between 0.2 to 10 liters per minute                                                                                                                          |
| Humidity:            | Non-condensing 0-95% RH                                                                                                                                           |
| LED Indicators:      | None                                                                                                                                                              |
| Linearity:           | $\pm 1\%$ 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:         | < 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.:       | -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:            | 24 months analyzer; 18 months sensor (any application)                                                                                                            |

## Optional Equipment

|           |                           |
|-----------|---------------------------|
| FITN-1009 | Tee Adapter               |
| HRWR-1075 | Dovetail Pole/Shelf Clamp |
| CC-1072   | Carrying Case             |



**Aii-2000 A  
Oxygen Analyzer**



**Aii-2000 HC  
Oxygen Analyzer**



**Analytical Industries Inc.**

# Aii 2000 Series Oxygen Monitor

## Technical Specifications

|                      |                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy:            | < $\pm 1\%$ of FS range under constant conditions                                                                                                                            |
| Analysis:            | 0-100% oxygen                                                                                                                                                                |
| Application:         | Anesthesia<br>Respiratory Therapy - Ventilators, Respirators<br>Neonatal & Pediatric Incubators & Hoods<br>Oxygen Therapy - Intensive Care<br>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%;<br>120 second alarm silence for calibration purposes<br>HI alarm defeat for flushing patients with 100% O <sub>2</sub> |
| Calibration:         | Air or certified 100% O <sub>2</sub> 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 <sub>2</sub>                                                                                                         |
| 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:           | $\pm 1\%$ 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:         | < 0.5% of FS range                                                                                                                                                           |
| Sensor:              | Aii-11-60                                                                                                                                                                    |
| 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:            | 24 months analyzer; 18 months sensor (any application)                                                                                                                       |

## Optional Equipment

|           |                             |
|-----------|-----------------------------|
| FITN-1009 | Tee adapter (P/N FITN-1009) |
| HRWR-1075 | Dovetail Pole/Shelf Clamp   |
| CC-1072   | Carrying Case               |



**Aii-2000 M  
Oxygen Monitor**

## Advanced Sensor Technology

**60 Month Life in Air**

**Fast Response - 9 Seconds**

**18 Month Warranty**

**No Maintenance**

**State of the Art Electronics**

**Auto Diagnostics**

**Alarms: LO 15-99%, HI 16-100%**

**Large Backlit LCD Display**

**Intuitive Interface**

**Integral Tripod and Pole Bracket**

