

MiniOX®

Oxygen Analyzers | Oxygen Monitors | Oxygen Sensors





Reliable oxygen monitors, analyzers, and sensors for the health-care industry for respiratory therapy, neonatal care, home respiratory care, and anesthesia. Units quickly and accurately measure oxygen concentrations in life support equipment.

MSA's MiniOX Oxygen Analysis, the first name in oxygen analysis

MiniOX® Oxygen Analyzers, Oxygen Monitors, and Oxygen Sensors have been the number one choice of health-care professionals since 1980.

MSA oxygen sensors are preferred by medical equipment manufacturers globally. Whether serving hospital professionals or homecare dealers, this MSA product line has the right instrument for many oxygen analysis needs plus a full range of oxygen sensors for most applications.

Health-Care Applications:

- Respiratory therapy
- Neonatal care
- Home respiratory care
- Anesthesia

MiniOX 3000 Oxygen Monitor

For continuous oxygen monitoring, the MiniOX 3000 Oxygen Monitor is portable, easy to use, and is designed for in-line oxygen monitoring in hospital, home ventilator, NICU, and anesthesia delivery equipment applications. Powered by one 9-volt battery, the MiniOX 3000 Oxygen Monitor provides up to 1500 hours of use. Each unit is shipped ready to use, complete with sensor, coiled cable, tee adapter, and battery.

Features:

- High and low oxygen concentration alarms
- Automatic calibration
- Battery life indicators with alarms
- Sensor/cable disconnect alarm
- Alarm verification indicator
- Extra-large display window
- Integral tabletop stand

MiniOX I Oxygen Analyzer

For spot-checking or continuous monitoring of oxygen concentrations without alarms, the MiniOX I Oxygen Analyzer is powered by one 9-volt battery and provides up to 1400 hours of use. The MiniOX I Oxygen Analyzer may be used for in-line oxygen monitoring. This portable unit is shipped ready-to-use, complete with sensor, coiled cable, tee adapter, and battery.

Features:

- Battery life indicators
- Thumb-wheel calibration dial
- Push-button ON/OFF switch
- Bright display window



MiniOX IA Oxygen Analyzer

The MiniOX IA Oxygen Analyzer is the ideal choice for spot-checking or troubleshooting home oxygen concentrators. Designed to attach to any model of oxygen concentrator, the MiniOX IA Oxygen Analyzer with internal oxygen sensor is powered by one 9-volt battery for up to 1400 hours of use. Each unit is shipped ready-to-use and comes with sensor, adapter, and battery.

Features:

- Battery life indicators
- Thumb-wheel calibration dial
- Bright display window



Specifications

	MiniOX I*	MiniOX IA**	MiniOX 3000*
Range	0-100% O ₂	0-100% O ₂	0-100% O ₂
Resolution	0.1 O ₂ increments	0.1 O ₂ increments	0.1 O ₂ increments
Linearity	±2%	±2%	±1%
Battery indication	1st Stage: "LO BAT" will appear on the display. 2nd Stage: Instrument will shut down.	LO BAT Indication: "LO BAT" appears on instrument when 8 hours of operational time remains on unit. Dead Battery Indication: Unit numerical display will appear blank to prevent possible erroneous operation.	Stage 1: Warning that approximately six hours of monitoring life remain. "LO BAT" appears on display; beep sounds every 30 seconds until battery is replaced or Stage 2 occurs. Stage 2: Alarm that proper operation is not assured. Monitor shuts down; audible and visual alarms are activated.
Power supply	One 9-volt battery	One 9-volt battery	One 9-volt battery
Battery lifetime	Approx. 1400 hours	Approx. 1400 hours	Approx. 1500 hours
Cable length	10 feet	No cable. Connects directly to O ₂ concentrators	10 feet
Dimensions	4.625 x 2.5 x 1.5 in.	5.69 x 2.5 x 1.75 in.	5.98 x 3.26 x 1.31 in.
Weight	7 oz.	11 oz.	9.2 oz.
Operating temperature range	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)
Storage temperature range	-20 to 55°C (-4 to 131°F)	-20 to 55°C (-4 to 131°F)	-40 to 70°C (-40 to 158°F)
Humidity	5-95% RH (non-condensing)	5-95% RH (non-condensing)	5-95% RH (non-condensing)
Alarms	N/A	N/A	Pulsating alarm/ flashing LED

* CE Compliant to Eu/MDD

** CE Compliant to EMC 89336/EEC (Not a Medical Device by definition of the Medical Device Directive)

Sensor Specifications

Type	Galvanic
Life	Over one year under normal medical conditions
Response time	97% of final value in 20-30 seconds

Interferant	Volume % Dry	Interference Equivalent of % O ₂
Carbon dioxide	12%	0.10%
Cyclopropane	50%	0.10%
Desflurane	7.50%	0.50%
Diethyl ether	20%	1.50%
Enflurane	4%	0.50%
Halothane	5%	0.90%
Helium	80%	0.20%
Isoflurane	3%	0.50%
Methoxyflurane	4%	2.30%
Nitrogen	80%	0.20%
Nitrous oxide	80%	0.80%

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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