

Miniox®

Oxygen Analyzers Oxygen Monitors Oxygen Sensors



MSA

MiniOX[®]

Oxygen Analysis

What's in a name...

The MSA MiniOX name is synonymous with reliable oxygen analysis. Since 1980, the MSA MiniOX family of oxygen monitors, analyzers, and sensors has been the number one choice of health-care professionals in respiratory therapy, neonatal care, home respiratory care, and anesthesia.

At the heart of the MiniOX product line is our long-life MSA oxygen sensor. MSA oxygen sensors are the first choice of many of the largest manufacturers of medical equipment around the world. They trust the MSA oxygen sensor to quickly and accurately measure the oxygen concentration in their life support equipment, without the threat of leaks and premature failure.

Whether for hospital professionals or homecare dealers, the MSA product line has the right instrument for every oxygen analysis need. We also provide a full range of oxygen sensors for most applications.

MSA thanks all who have made MiniOX the first name in oxygen analysis. We look forward to continuing our partnership, and supplying you with quality MiniOX products in the future.

MiniOX[®] 3000 Oxygen Monitor

When your oxygen analysis calls for continuous monitoring, the MiniOX 3000 Oxygen Monitor is the obvious choice. Portable and easy to use, the MiniOX 3000 Oxygen Monitor is perfect for "in line" oxygen monitoring in such applications as hospital and home ventilators, NICU, and anesthesia delivery equipment.

The MiniOX 3000 Oxygen Monitor features high and low oxygen concentration alarms, automatic calibration, battery life indicators with alarms, sensor/cable disconnect alarm, and an alarm verification indicator. Powered by one 9-volt battery, the MiniOX 3000 Oxygen Monitor provides up to 1500 hours of use.

Each MiniOX 3000 Oxygen Monitor is shipped ready-to-use, complete with oxygen sensor, coiled cable, tee adapter, battery, and operations manual.*



MiniOX® I Oxygen Analyzer



For spot-checking or continuous monitoring without alarms of oxygen concentrations, the MiniOX I Oxygen Analyzer is the preferred choice of healthcare professionals. This portable unit comes with battery life indicators, an easy-to-use thumb wheel calibration dial, and a push-button ON/OFF switch. Powered by one 9-volt battery, the MiniOX I Oxygen Analyzer provides up to 1400 hours of use.

Each MiniOX 1 Oxygen Analyzer is shipped ready-to-use, complete with oxygen sensor, coiled cable, tee adapter, battery, and operations manual.*

MiniOX® IA Oxygen Analyzer

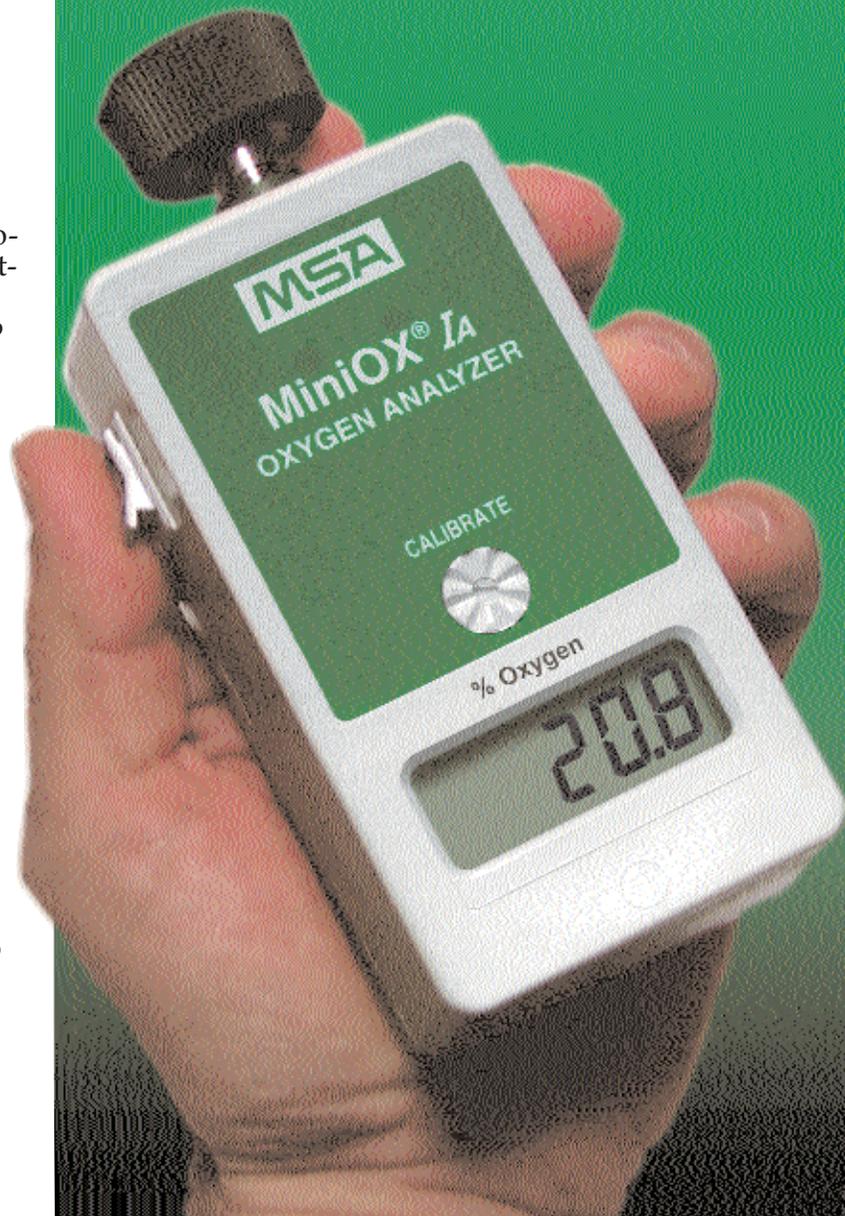
The MiniOX IA Oxygen Analyzer is the ideal choice for spot-checking or repairing home oxygen concentrations. Designed to attach to any model oxygen concentrator, the MiniOX IA Oxygen Analyzer with internal oxygen sensor is portable, easy to use, and features battery life indicators and a thumb wheel dial for convenient calibration. The MiniOX IA Oxygen Analyzer is powered by one 9-volt battery for up to 1400 hours of use.

Each MiniOX IA Oxygen Analyzer is shipped ready-to-use and comes with oxygen sensor, adapter, and battery.

*Multi language operations manual available

MiniOX®

For nearly two decades, the most trusted name in oxygen analyzers, oxygen monitors and oxygen sensors.



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 operational time remains on unit. Dead Battery Indication: Unit numerical display will blank to prevent possible erroneous operation.	Stage 1: Warning that approximately 6 hours of monitoring life remain. LOW 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.
Storage Temp.	-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

Sensor Specifications

Type		Interferant	Volume % Dry	Interference Equivalent of % O ₂
Shelf Life	Galvanic Sensors, as shipped, can be stored for a maximum of 6 months without degradation of life.	Carbon Dioxide	12%	0.1%
		Cyclopropane	50%	0.1%
		Desflurane	7.5%	0.5%
		Diethyl Ether	20%	1.5%
		Enflurane	4%	0.5%
Life	Over one year in normal medical conditions (750,000 O ₂ % hours)	Halothane	5%	0.9%
		Helium	80%	0.2%
		Isoflurane	3%	0.5%
Response Time	97% of final value in 20-30 seconds.	Methoxyflurane	4%	2.3%
		Nitrogen	80%	0.2%
		Nitrous Oxide	80%	0.8%



MSA Instrument Division
Patient Monitoring Products
P.O. Box 427
Pittsburgh, PA 15230

1-800-851-4500
1 (724) 776-8669
Fax: 1 (724) 776-8885

CE-marked