

DE-OX SAFE Carbon Monoxide Analyzer

SKU: 9634

Price: ?552.00



Description

DE-OX SAFE computer represents the most up-to-date measurement instrument that technology allows for the analysis of carbon monoxide (CO) into mixed gas. It has been especially designed and manufactured for the analysis of breathable gas mixtures like nitrox, heliox and trimix.

DE-OX SAFE is an integrated electronic device driven by a CMOS microprocessor and one electrochemical sensor for carbon monoxide. This sensor gives electrical signals with the gases percentage in the mixed gas. On the central unit's display, these signals are transformed in easy-to-read information given in real time.

WARNING: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder, or the flow from a regulator. The flow rate of gas must equal 1-5 L/min. To produce this flow, a [Flow Restrictor and Regulator](#) may be required. A faulty Flow Restrictor can lead to a false analyzer reading. Flow Restrictors should be regularly tested with a Flow Meter. Inaccurate gas analysis can lead to serious personal injury or death.

Features

- Fast response
- Small portable shell
- Numeric display - 2 x 0.7 in (5 x 3.5 cm)
- Low battery indicator
- On/Off switch
- Rugged weatherproof housing
- Low power consumption
- Two custom audible and visual alarms
- Soft protection and transport bag

- Simple sensor and battery replacement
- Analog 4-20 mA output for external devices

Specifications

Range	0-50 ppm carbon monoxide
Display Resolution	1 ppm
Display Accuracy	±5% at Constant Temperature and Pressure
Sensor Type	Electrochemical
Expected Operating Life*	>2 years in normal use from date of manufacture
Power	Standard 9 volt battery
Response Time	<50 seconds over complete temperature range
Temperature Range	Continuous: 14-122°F (-10°C to +50°C) Intermittent: -4° to 122°F (-20°C to +50°C)
Storage Temperature	41-104°F (5-10°C)
Humidity Range*	Continuous: 15-90% non-condensing Intermittent: 0-99% non-condensing
Warranty	12 months for device; 6 months for sensor
Weight	8.8 oz (250 g)

All measurements were taken at 20°C and 50% rh at 1 atmosphere pressure unless otherwise indicated. The performance data detailed in this document refer to new sensors—with the exception of items marked * (asterisk), the parameters have been verified under the UL component recognition program.