

DE-OX SAFE CARBON DIOXIDE ANALYZER



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

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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.

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 specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice.

**Calibration must be confirmed with calibration CO test gas.

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

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.



Call Us

0044 795 196 6260
00971 50 564 8178

Email Us

ram@synergyequipment.com
info@synergyequipment.com

Visit Us

Al Qusais Industrial Area 1, Dubai.
www.synergyequipment.com