

DE-OX SUN Helium Analyzer with Alarm

SKU: 9638-CASE

Price: ?767.00



Description

DE-OX SUN represents the simplest and up-to-date measurement instrument for the analysis of helium into mixed gas. Unique features include two audible alarms (minimum and maximum), standard analog 4-20 mA and open collector outputs. DE-OX SUN has been especially designed and manufactured for the analysis of binary and ternary gas mix like heliox and trimix.

The instrument does not require calibration. DE-OX SUN can be used for continuous reading during mixed gas filling. It can alert and help in switching off the compressor if the helium value goes out the set alarms range (for instance 45% helium). DE-OX SUN is based on an innovative sensor developed by TEMC for respiratory use and for monitoring the respiratory parameters in saturation dives.

Features

- Auto OFF with switching delay setting
- No calibration needed
- Sensor and analyzer auto-setting
- Digital zero calibration
- Two (2) custom audible and visible alarms
- Analog 4-20 mA output for external devices (optional)
- Open collector output (optional)
- Battery low indicator
- milliVolt sensor output reading
- Standard 9 Volt transistor battery
- Simple battery and sensor replacement
- Direct connection to every kind of tank valve with TEMC rubber cup
- Soft protection and transport bag
- Numeric display of 2 x 1.4 in (50 x 35 mm)

Specifications

Range	Helium indication in any oxygen-nitrogen mix in the range 0.0-100.0% of volume, 0.1% resolution
Accuracy	±2% over full scale
Linearity	Within ±2% over full scale
Sensor Type	Thermal conductivity stainless steel helium sensor developed for marine sport ambient
Expected Sensor Life	Up to 10 years under normal conditions
Power	9 Volt alkaline or lithium battery
Response Time	<10 seconds for 90% of response at 23°C/73°F
Operating Temperature	41-104°F (5-40°C)
Storage Temperature	5-122°F (-15 to 50°C)
Mixed Gas Flow Rate and Temperature	0.5-2 L/min (~1 bar) at typically 20°C/68°F
Humidity	0-95% rh (non-condensing)
Warranty	Twelve (12) months for device; sensor is warranted for six (6) months
Dimensions & Weight	3 x 1.7 in (7.5 x 4.2 cm) 12.3 oz (350 g)