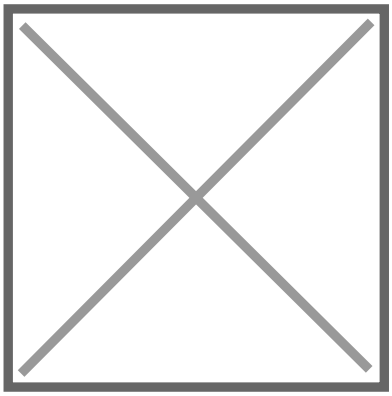
Pro Trimix Alarm Analyzer

SKU: 9609

Price: ?1,502.00



Description

The Nuvair Pro Trimix Alarm is a multigas analyzer that measures helium (He) and oxygen (O_2) levels in either mixed breathing gases stored in gas cylinders or from compressor's continuous gas flow. The analyzer is compatible with outdoor and marine environments, is self-calibrating and includes user-defined audible and visual set point alarms. If the alarm sounds, the analog output can activate an optional relay to shut down equipment automatically, sound a remote alarm, or activates an emergency backup system. Range: 0-100% with display accuracy of ±2%.

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

- On/Off switch
- Display range of 0.0-100%
- Two (2) custom audible and visual alarms for each gas
- 4-20 mA analog output for external devices
- Capable of shutting down compressor at set alarm with optional relay cable

Advantages

- Made to test breathing gases
- Fast response
- Easy to operate, reliable and accurate
- Long-life electrochemical oxygen sensor
- Automatic calibration
- Long-life thermal conductive helium sensor

Replacement Sensor

- Oxygen Sensor Replacement SKU 9507M

Specifications

Sensors	Pro He	Pro O2
Flow Rate	0.5-1 L/min	0.5-2 L/min
Resolution	0.1%	0.1%
Linearity / Repeatability	Linearity: ±2% over full scale	Repeatability: ±1 % volume O2 @ 100% O2, applied for 5 min
Accuracy	±2% over full scale	Within ±1% of full scale at constant temperature and pressure (0-1 atm) when calibrated with 100% oxygen
Sensor Type	Thermal conductive	Electrochemical
Expected Sensor Life	Up to 10 years under normal conditions	36 months in air at 25°C/77°F and 50% rh
Range	0.0-100.0% helium in air or nitrogen or oxygen	0-100% oxygen (max), 0-1% oxygen (min)
Response Time	<10 seconds for 90% response	<6 seconds for 90% of final value
Alarms	(2) User-programmable audible and visual alarms	(2) User-programmable audible and visual alarms
Operating Temperature	41-104°F (5-40°C)	32-104°F (0-40°C)
Storage Temperature	5-122°F (15 to 50°C)	32-122°F (0-50°C)
Operating Humidity	0-90% rh (non-condensing)	0-99% rh (non-condensing)
Power	110/220V Wall Plug-in (International) Power or 800mAh Rechargeable lithium battery with 110/220V charger	
Dimensions (L x W x H)	3.9 x 8.7 x 7.5" (9.9 x 22.1 x 19.1 cm)	
Weight	2.75 lb (1.25 kg)	