

The Pro Trimix Alarm Analyzer measures helium (He) and oxygen (O₂) levels in gases in the range of 0 to 100% of volume with up to a 1% resolution. It can be used to measure the He and O₂ content in all breathing gas mixes. The analyzer is designed to verify helium and oxygen concentrations in stored gas cylinders as well as to monitor the continuous flow of gas from a compressor. It is compatible with outdoor and marine environments, is self-calibrating and includes audible and visual alarms for user-defined set points. As an option, the analyzer can shut down a compressor by way of an analog output at a user-defined set point.

FEATURES

- On / off switch
- Display range of 0.0-100% O₂
- (2) Custom audible and visual alarms per gas
- 4-20 mA analog output for external devices
- Capable of shutting down compressor at set alarm with optional relay cable

ADVANTAGES

- Fast response
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Long-life electrochemical O₂ sensor
- Long-life thermal conductive He sensor
- Automatic calibration



SPECIFICATIONS*

SKU: 9609	Pro He	Pro O ₂ Alarm
Flow Rate	0.5-1 L/min	0.5-5 L/min
Resolution	0.1%	0.1%
Linearity / Repeatability	±2% over full scale (Linearity)	± 1 % volume O ₂ @ 100% O ₂ , applied for 5 min (Repeatability)
Accuracy	±2% over full scale	±1% over full scale if sensor is well calibrated and at constant temperature, pressure, and gas flow
Sensor Type	Thermal conductivity	Electrochemical
Expected Sensor Life	>24 months under normal operating conditions	36 Months
Range	0.0-100.0% helium in air or nitrogen or oxygen	0-100% oxygen
Alarms	(2) User-programmable audible and visual alarms	(2) User-programmable audible and visual alarms
Response Time	<10 seconds for 90% response at 73°F (23°C)	<6 seconds for 90% of final value
Operating Temperature	41° to 104°F (5° to 40°C)	32° to 104°F (0° to 40°C)
Operating Humidity	0-90% rh, non-condensing	0 to 99% rh, non-condensing
Storage Temperature	5° to 122° F (-15° to 50° C)	32° to 122°F (0° to 50°C)
Power	Rechargeable lithium battery with 110/230 V charger	
Dimensions (L x W x H)	3.9 x 8.7 x 7.5 in (9.9 x 22.1 x 19.1 cm)	
Weight	2 lb 12 oz (1361 g)	

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.

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