

The Nuvair Pro O₂ / CO₂ multigas alarm analyzer is mounted in a rugged, water-resistant case. Each sensor has two user-programmable audible and visual alarms. The internal sensors are plumbed together to monitor a single input. The analyzer has visual and optional audible alarms for each gas. An audible alarm sounds if any alarm set point is reached. When in alarm, the analyzer's analog output can activate an optional relay that shuts down compressors automatically, sounds a remote alarm, or activates emergency backup systems. Comes equipped with a rechargeable lithium-ion battery and universal 110/230-volt charger.

FEATURES

- Monitors oxygen and carbon dioxide levels to ensure compliance with breathing air standards for CGA, NFPA, OSHA, CSA, EN norms, and others
- Oxygen reading in any mix in the range 0.0-100.0% of volume
- Carbon dioxide reading in parts per million (ppm)
- Two (2) custom audible and visual alarms for each gas
- Oxygen sensor life up to 36 months
- User-replaceable oxygen sensor
- Carbon dioxide sensor life up to 10 years
- Robust waterproof hard case
- Automatic calibration of O₂ and CO₂ sensors



SKU 9618-LB

SENSOR SPECIFICATIONS*

Sensor	Pro O ₂	Pro CO ₂
Flow Rate	0.5-2 L/min	0.6-1 L/min
Resolution	±0.1%	50 ppm resolution from 0 to 1000 ppm, then 100 ppm up to full scale
Repeatability	N/A	±2% of full scale @ 68°F (20°C) ambient
Linearity	N/A	At ambient temperature and pressure: ± 2% FSD or ± 10% of the reading, whichever is greater
Accuracy	Within ±1% of full scale at constant temperature and pressure (0-1 atm) when calibrated with 100% oxygen	±2% over full scale
Sensor Type	Electrochemical	Non-dispersive infrared (NDIR)
Expected Sensor Life	Up to 36 months in air at 25°C/77°F and 50% rh	5-10 years based on analyzer handling and use. Check sensor accuracy frequently with test gas and attempt to recalibrate if reading is inaccurate. Replace sensor if recalibration fails.
Range	0-100% oxygen (max), 0-1% oxygen (min)	0-2000 ppm

ANALYZER SPECIFICATIONS*

Alarms	Two user-programmable audible and visual alarms
Power	Rechargeable lithium battery with 110/230V charger
Operating Temperature	32-104°F (0-40°C)
Storage Temperature	32-122°F (0-50°C)
Operating Humidity	0-95% rh (non-condensing)
Power	Rechargeable lithium battery or 110/220 V wall plug-in
Dimensions (L x W x H)	3.6 x 8.8 x 7.5 in (9.3 x 22.5 x 19 cm)
Weight	4 lb (0.95 kg)

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.