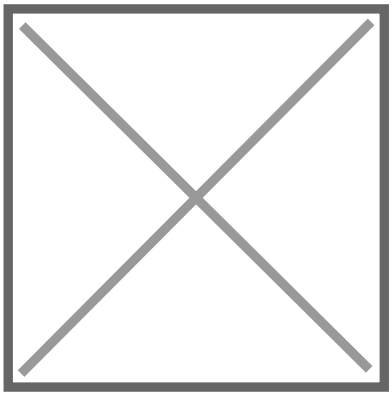
Pro CO2 Alarm Analyzer in Waterproof Box

SKU: 9615-LB

Price: ?1,463.00



Description

The Nuvair Pro CO2 alarm analyzer measures carbon dioxide levels in all breathing gas mixes and is designed to verify CO2 concentration in stored gas cylinders, monitor an enclosed space, or analyze continuous flow gas from a compressor. Mounted in a weatherproof box, the analyzer is moisture and impact resistant and is compatible with outdoor and marine environments.

Two audible and visual alarms for low and high carbon dioxide content can be user-defined. If the alarm sounds, the analog output can activate an optional relay that shuts down power equipment, sounds remote alarms, or activates emergency backup systems.

Features

- On/off switch
- Low battery warning indicator
- 50 ppm CO2 resolution on digital display
- Optional relays for external alarm or compressor control
- Fast response
- Specifically designed to test breathing gases
- Easy to operate, reliable and accurate
- Modulated infrared light source = No moving parts

Specifications

Flow Rate	0.6-1 L/min

Resolution	50 ppm resolution from 0 to 1000 ppm, then 100 ppm up to full scale
Repeatability	± 2% of full scale @ 68°F (20°C) ambient
Linearity	At ambient temperature and pressure: ± 2% FSD or ± 10% of the reading, whichever is greater
Sensor Type	NDIR (Non-dispersive infrared)
Expected Sensor Life	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	0-2000 ppm
Alarms	Two user-programmable audible and visual alarms
Response Time	< 30 seconds @ 68°F (20°C) ambient
Operating & Storage Temperature	-4° to +122°F (-20° to +50°C)
Operating Humidity	0 to 95% rh, non-condensing
Power	1150mAh rechargeable lithium battery with charger
Battery Life	Estimated 20 hours on a single lithium battery recharge
Warranty	12 months

* All specifications are at ambient/sea level, 77°F (25°C) and are subject to change without notice. Calibration must be confirmed with a calibration CO2 test gas.

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.