

Pro N₂ Alarm Analyzer Panel Mount

SKU: 9614

Price: ?636.00



Description

The Nuvaire Pro N₂ Alarm analyzer measures nitrogen (N₂) levels in gases in the range of 0.0 to 100% by calculating the lack of oxygen (O₂) in mixed gases. Other gases like CO, CO₂, H₂, Ar or He do not affect the sensor but are added to the total nitrogen percentage as they are not O₂. This panel mount version is designed to mount flush on a compressor control panel or other flat surface.

The Pro N₂ is designed to verify N₂ concentrations in stored gas cylinders, enclosed spaces and with compressors pumping nitrox. When used in breathing gas applications, redundant analyzers must be used for verification. For example, one analyzer must be used to monitor nitrogen during breathing gas production and a second independent analyzer must be used to verify the nitrogen content of the stored breathing gas prior to diver use.

The Pro N₂ Alarm comes with two user-programmable audible and visual alarms for low and high nitrogen content. If the alarm sounds, the analog output can activate an optional relay that can automatically shut down compressors, sound a remote alarm, or activate an emergency backup system. Price varies according to power and module options.

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

- High and low custom audible & visual alarms

- On/Off Switch
- 4-20 mA analog output for external devices
- milliVolt sensor output reading
- Low battery warning indicator
- Simple battery and sensor replacement
- Sensor is specific to oxygen mixtures
- Automatic calibration in air or in any known mix
- Adjustable calibration value

Available Options

Four power options are available for this analyzer: 110/220V wall plug-in, 9-volt battery, DIN rail, and rechargeable lithium battery. For wall plug-in and DIN rail powered analyzers, two optional modules can be built into your analyzer: [FAILSAFE](#) and [SMART START](#).

Adding the **FAILSAFE Module** to your Nuvair Pro Alarm analyzer will automatically disable integrated power equipment if: (a) Analyzer power is interrupted, or (b) Analyzer goes into alarm. Adding a **SMART START Module** to your Nuvair Pro Alarm Analyzer will automatically power-up the analyzer in tandem with integrated power equipment, like a compressor.

Choose one of three available power options and two available module upgrades by using the **Power & Module Options** dropdown menu (above).

Specifications

Flow Rate	0.5–3 L/min
Resolution	0.1% of volume
Accuracy	±2% over full scale
Sensor Type	Galvanic cell
Expected Sensor Life	48 months
Range	0.0–100.0% nitrogen in an oxygen/nitrogen gas mix
Alarms	User-adjustable minimum and maximum audible and visual alarms
Response Time	<15 seconds for 90% response
Operating Temperature	41–104°F (5-40°C)
Operating Humidity	0–95% rh, non-condensing
Power Options	<ul style="list-style-type: none"> · DIN Rail (SKU 9614-DP) · 9-volt Battery (SKU 9614-B) · Rechargeable Lithium Battery (SKU 9614-LB) · 110/220V Wall Plug-in [International] (SKU 9614-E)
Module Options	<ul style="list-style-type: none"> · FAILSAFE · SMART START
Dimensions	4 × 2 × 5.5"
(L x W x H)	(10.2 × 5 × 14 cm)
Weight	9 oz (255 g)
Warranty	12 months