

# Pro CO<sub>2</sub> Alarm Analyzer Handheld

SKU: 9616

Price: ?1,346.00



## Description

The Nuair Pro CO<sub>2</sub> Alarm Analyzer can be connected inline on your high or low pressure compressor for continuous carbon dioxide monitoring or used periodically on specific gas sources or in contained spaced. The CO<sub>2</sub> sensor is auto-calibrating and provides a temperature-compensated, linear CO<sub>2</sub> measurement over sensing range.

Audible and visual alarms for low and high carbon dioxide content can be set by the user. If the alarm sounds, the analog output can activate an optional relay that shuts down equipment automatically, sounds a remote alarm, or activates emergency backup systems.

**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
- Low battery warning indicator
- 50 ppm CO<sub>2</sub> 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

## Available Options

Three power options are available for this analyzer: 110/220V wall plug-in, DIN rail, and 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 Nuair 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 Nuair 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

<b>Flow Rate</b>	0.6-1 L/min
<b>Resolution</b>	50 ppm resolution from 0 to 1000 ppm, then 100 ppm up to full scale
<b>Repeatability</b>	± 2% of full scale @ 68°F (20°C) ambient
<b>Linearity</b>	At ambient temperature and pressure: ± 2% FSD or ± 10% of the reading, whichever is greater
<b>Sensor Type</b>	NDIR (Non-dispersive infrared)
<b>Expected Sensor Life</b>	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.
<b>Range</b>	0–2000 ppm (9616-E-5000 has a range of 5000 ppm)
<b>Alarms</b>	Two user-programmable audible and visual alarms
<b>Response Time</b>	< 30 seconds @ 68°F (20°C) ambient
<b>Operating &amp; Storage Temperature</b>	–4° to +122°F (–20° to +50°C)
<b>Operating Humidity</b>	0 to 95% rh, non-condensing
<b>Power</b>	110/230V wall plug-in, rechargeable lithium battery, or DIN rail
<b>Battery Life</b>	Estimated 20 hours on a single lithium battery recharge
<b>Dimensions</b>	2.5 x 1.75 x 4.25 in (6.4 x 4.5 x 10.8 cm)
<b>Weight</b>	7.8 oz (221 g)
<b>Warranty</b>	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.