

Pro O₂ Alarm Analyzer Panel Mount

SKU: 9612

Price: ?635.00



Description

Accurate, stable, and easy to use, the panel mounted Nuair Pro O₂ Alarm Analyzer has two audible and visible alarms that can be set for high and low oxygen content. When the alarm sounds, the analog output activates an optional relay that shuts down compressor automatically, sounds a remote alarm, or switches a surface-supplied diver's breathing gas to an emergency backup system. Designed for installation on a control panel or other flat surface, Nuair Pro O₂ Alarm analyzers are built and tested in-house and come ready to use. Designed for in-line measurement of oxygen in a mixed gas, it is compatible with nitrox, heliox, and trimix.

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.

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

Features

- On/Off switch
- Low battery warning indicator
- Easy calibration
- User-replaceable battery and sensor
- Audible alarm sounds when user-defined low or high O₂ percentage is reached
- 4-20 mA analog output for external devices
- Analog output can activate optional relay to automatically shutdown compressor when alarm activates
- Fast response, thermally compensated sensor
- Completely sealed, water resistant housing
- Automatic calibration
- Specifically designed to test breathing gases

Specifications

Display Accuracy	±1%
Sensor Type	Electrochemical
Expected Sensor Life	36 months in air at 25°C (77°F) and 50% rh
Range	0–100% Oxygen
Response Time	< 6 seconds for 90% of final value
Operating Temperature	32°–104°F (0°–40°C)
Storage Temperature	32°–122°F (0°–50°C)
Operating Humidity	up to 100% rh
Dimensions	5.5 × 4 × 2"
(L x W x H)	(14 × 10.1 × 5 cm)
Replacement Sensor	Sensor 9507m

Third-Party Reseller Gas Analyzer & Sensor Warranty Period

Many Nuair products are available through third-party resellers, including retail stores, distributors, Amazon.com, and other e-commerce sites. For gas analyzers and replacement sensors purchased from this distribution network, the warranty period begins on the date of manufacture. However, when purchased directly from Nuair.com, the warranty starts on the purchase date.

Why? Because many gas analyzer sensors contain chemical cells similar to battery cells, which have a limited lifespan. Nuair takes extra care to ship only recently manufactured sensors and analyzers, ensuring the longest possible lifespan when purchased directly from Nuair.com.