

Pro O2 Alarm Analyzer Handheld

SKU: 9611

Price: ?536.00



Description

Easy to operate, extremely accurate and stable, the handheld Nuvair Pro O₂ Alarm Analyzer is preferred by commercial, military, technical and advanced recreational divers using nitrox and non-divers who require a simple oxygen analysis of compressed gas or contained spaces. Audible and visual alarms for low and high oxygen content can be set by the user. If the alarm sounds, the analog output can activate an optional relay that shuts down compressors automatically, sounds a remote alarm, or activates an emergency backup system. Price varies according to power options.

Our water- and impact-resistant case is designed for everyday use in the marine environment. To change the battery or sensor, simply remove four screws to access user-changeable components. All Nuvair Pro O₂ units are built and tested in-house, and are ready to use upon receipt.

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

Three power options are available for this analyzer: 110/220V wall plug-in, 9-volt battery, and rechargeable lithium battery. For wall plug-in 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).

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 Cell Life	36 month 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
Power	9-volt battery, wall plug-in, or rechargeable lithium battery
Dimensions (L x W x H)	4-1/8 × 2-1/2 × 1-3/4" (10.5 × 6.2 × 4.4 cm)
Replacement 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.