

The Pro O₂ Alarm is designed for in-line measurement of oxygen in a mixed gas. The alarms featured in this series include two audible alarms for high and low percentages, and an analog output for shutting down your compressor automatically. The Pro O₂ Alarm Series of analyzers are compatible with nitrox, heliox and trimix. Some versions available with optional FAILSAFE and SMART START modules. (To view the standard, non-alarming Pro O₂ Analyzer Series brochure, [please click here.](#))

PLEASE NOTE: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Inaccurate gas analysis can lead to serious personal injury or death. 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. To produce this flow, a flow restrictor and regulator may be required.



SPECIFICATIONS*

Flow Rate	0.5–5 L/min	
Resolution	±0.1% oxygen	
Repeatability	±1% volume oxygen @ 100% oxygen, applied for 5 minutes	
Linearity	±1% over full scale if sensor well calibrated and @ constant temperature, pressure and gas flow	
Sensor Type	Electrochemical	
Expected Sensor Life	Up to 48 months under normal operating conditions in air	
Range	0–100% oxygen	
Alarms	Two user-programmable audible and visual alarms	
Response Time	<15 seconds for 90% response; <25 seconds for 97% response	
Operating Temperature	41° to 104°F (5° to 40°C)	
Operating Humidity	0 to 95% rh, non-condensing	
Storage Temperature	5° to 122° F (-15° to 50° C)	
Power	9V alkaline battery, rechargeable lithium battery, 110/220 V wall plug-in or 12V DIN rail (panel mount only)	
Dimensions (L x W x H)	4 x 2 x 5.5" (10.2 x 5 x 14 cm) panel mount & panel mount remote 2.5 x 1.75 x 4.25" (6.3 x 4.5 x 10.8 cm) handheld	
Weight	9 oz (255 g) panel mount · 7.8 oz (221 g) handheld	
Warranty	0 - 12 months	100% parts and labor
	13 - 18 months	50% off sensor only
	19 - 24 months	25% off sensor only
	25+ months	no warranty coverage

*All specifications are at ambient / sea level, 77°F (25°C) and are subject to change without notice.

FEATURES

- On / off switch
- Display range of 0.0–100%
- Low battery warning indicator
- (2) High / Low custom audible & visual alarms
- 4-20 mA analog output for external devices
- Capable of shutting down compressor at set alarm

ADVANTAGES

- Fast response
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Long-life electrochemical sensor
- Automatic calibration

OPTIONS

- [FAILSAFE Module](#)
- [SMART START Module](#)



NUVAIR PRO O₂ AVAILABLE MODELS

SKU	Model Description	Power
Pro O2 Standard Series - Non-Alarming Oxygen Analyzers		
9450-B	Pro O2 Handheld	9V Battery
9450-E	Pro O2 Handheld	110/230V International Wall Plug-in
9450-LB	Pro O2 Handheld	Rechargeable Lithium Battery
9452-B	Pro O2 Remote	9V Battery
9452-E	Pro O2 Remote	110/230V International Wall Plug-in
9452-LB	Pro O2 Remote	Rechargeable Lithium Battery
9460-B	Pro O2 Remote Panel Mount	9V Battery
9460-DP	Pro O2 Remote Panel Mount	DIN Rail
9460-E	Pro O2 Remote Panel Mount	110/230V International Wall Plug-in
9460-LB	Pro O2 Remote Panel Mount	Rechargeable Lithium Battery
9462-B	Pro O2 Panel Mount	9V Battery
9462-DP	Pro O2 Panel Mount	DIN Rail
9462-E	Pro O2 Panel Mount	110/230V International Wall Plug-in
9462-LB	Pro O2 Panel Mount	Rechargeable Lithium Battery
Pro O2 Alarm Series - Alarm-Equipped Oxygen Analyzers		
9611-B	Pro O2 Alarm Handheld	9V Battery
9611-E	Pro O2 Alarm Handheld	110/230V International Wall Plug-in
9611-E-FS	Pro O2 Alarm Handheld + FAILSAFE	110/230V International Wall Plug-in
9611-E-SS	Pro O2 Alarm Handheld + SMART START	110/230V International Wall Plug-in
9611-LB	Pro O2 Alarm Handheld	Rechargeable Lithium Battery
9612-B	Pro O2 Alarm Panel Mount	9V Battery
9612-DP	Pro O2 Alarm Panel Mount	DIN Rail
9612-DP-FS	Pro O2 Alarm Panel Mount + FAILSAFE	DIN Rail
9612-DP-SS	Pro O2 Alarm Panel Mount + SMART START	DIN Rail
9612-E	Pro O2 Alarm Panel Mount	110/230V International Wall Plug-in
9612-E-FS	Pro O2 Alarm Panel Mount + FAILSAFE	110/230V International Wall Plug-in
9612-E-SS	Pro O2 Alarm Panel Mount + SMART START	110/230V International Wall Plug-in
9612-LB	Pro O2 Alarm Panel Mount	Rechargeable Lithium Battery
9612R-B	Pro O2 Alarm Panel Mount Remote	9V Battery
9612R-DP	Pro O2 Alarm Panel Mount Remote	DIN Rail
9612R-DP-FS	Pro O2 Alarm Panel Mount Remote + FAILSAFE	DIN Rail
9612R-DP-SS	Pro O2 Alarm Panel Mount Remote + SMART START	DIN Rail
9612R-E	Pro O2 Alarm Panel Mount Remote	110/230V International Wall Plug-in
9612R-E-FS	Pro O2 Alarm Panel Mount Remote + FAILSAFE	110/230V International Wall Plug-in
9612R-E-SS	Pro O2 Alarm Panel Mount Remote + SMART START	110/230V International Wall Plug-in
9612R-LB	Pro O2 Alarm Panel Mount Remote	Rechargeable Lithium Battery