

Pro Trio Multigas (O₂ · CO₂ · CO) Analyzer

SKU: 9603

Price: \$2,846.00



Description

The Nuair Pro Trio multigas analyzer measures oxygen (O₂), carbon dioxide (CO₂), and carbon monoxide (CO) levels in supplied gases. All analyzers are mounted in a water resistant, impact resistant case with a clear cover that allows for viewing of all gas displays, visual alarms, and easy access to analyzer controls. This unit is compatible with outdoor and marine environments.

The internal sensors are plumbed together to monitor a single input. The Pro Trio has visual and optional audible alarms for each of the gases monitored. An audible alarm will sound if any alarm set point is reached. If the alarm sounds, the analog output can activate an optional relay that shuts down compressors 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](#) (like the [400-100 Calibration Test Gas 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.

Specifications

Sensor	Pro CO	Pro CO ₂
Maximum Flow Rate	0.5-1 L/min	0.6-1 L/min
Resolution	1 ppm	50 ppm resolution from 0 to 1000 then 100 ppm up to full scale
Repeatability	<+5%	±2% of full scale @ 68°F (20°C)
Display Accuracy	±5%	-

Linearity	-	At ambient temperature and pressure 2% FSD or $\pm 10\%$ of the reading, whichever is greater
Response Time	<50 seconds	<30 seconds @ 68°F (20°C) ambient
Sensor Type	Electrochemical	NDIR (Non-dispersive infrared)
Expected Sensor Life	>24 months	5-10 years based on analyzer handling and use. Check sensor accuracy frequently with test gas and attempt recalibrate if reading is inaccurate. Replace sensor if recalibration fails.
Range	0-50 ppm CO	0-2000 CO?
Operating Temperature	14° to 122°F (-10° to 50°C) continuous -4° to 122°F (-20° to 50°C) intermittent	-4 to 122°F (-20 to 50°C)
Storage Temperature	14 to 140°F (-10 to 60°C)	-4 to 122°F (-20 to 50°C)
Operating Humidity	15-90% rh (con-condensing)	0-95% rh, non-condensing
Dimensions (L x W x H)		6 x 6 x 5 in (15 x 15 x 13 cm)
Weight		4 lb (1.8 kg)
Warranty		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 CO? test gas.