

The Pro CO₂ Alarm Analyzer measures carbon dioxide levels of breathing gas mixtures and air. We offer three models that can be connected in-line on your high or low pressure compressor for continuous monitoring of any CO₂ contamination in your gas. The CO₂ sensor is auto calibrating and provides a temperature compensated, linear CO₂ measurement over sensing range.

FEATURES

- On / off switch
- Low battery warning indicator
- Two custom audible and visible alarms for low and high set points
- Optional relays for external alarm or compressor control
- Single charge battery life is 20 hours

ADVANTAGES

- Fast response
- Made to test breathing gases
- Easy to operate, reliable and accurate
- Non-dispersive infrared technology
- Modulated infrared light source = no moving parts



SPECIFICATIONS*

SKU 9617 panel mount | SKU 9616 handheld | SKU 9615-LB waterproof box

Flow Rate	0.5-1 L/min
Resolution	1 ppm
Repeatability	±2% of full scale @ 68°F (20°C)
Linearity	At ambient temp and constant pressure: ± 2% FSD or ± 10% of the reading, whichever is greater
Sensor Type	NDIR non-dispersive infrared
Expected Sensor Life	5 years
Range	0-2000 ppm
Alarms	(2) User-programmable audible and visual alarms
Response Time	< 30 seconds @ 68°F (20°C) ambient
Warm-up Time	1 minute @ 68°F (20°C) ambient to final zero ± 0.2% of range; 10 minutes for maximum accuracy
Operating Temperature	-4° to 122°F (-20° to 50°C)
Operating Humidity	0 to 95% rh, non-condensing
Storage Temperature	-4° to 122°F (-20° to 50°C)
Power	Rechargeable lithium battery, 110/230 V wall plug-in or DIN rail (9617 only)
Dimensions (L x W x H)	4 x 2 x 5.5 in (10.2 x 5 x 14 cm) panel mount 2.5 x 1.75 x 4.25 in (6.3 x 4.5 x 10.8 cm) handheld 3.9 x 8.7 x 7.5 in (9.9 x 22.1 x 19.1 cm) waterproof box
Weight	9 oz (0.3 kg) panel mount 7.8 oz (0.22 kg) handheld 2 lb 8 oz (1270 g) waterproof box
Warranty	12 months

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.

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