CO Clear

Carbon Monoxide Monitor

The Analox CO Clear is designed to detect the presence of carbon monoxide in air or nitrox gas compressors. There is also a CO Clear helium (He) version which is specifically designed for use on heliox compressors to account for the effect that helium has on the sensor - ensuring accurate and reliable readings. The monitor is wall mounted to provide continuous online monitoring.

Carbon monoxide is a dangerous and potentially lethal gas, the effects of which are increased with pressure. It could enter the breathing gas from the compressor inlet or from issues relating to the compressor maintenance.

The CO Clear is designed to be installed inline on an air compressor arrangement to warn the operator if there a potential contamination of carbon monoxide before it reaches the cylinders/user. Analox recommend that a twin stage regulator is used to reduce the sample pressure.

The monitor consists of a main sensor unit installed after the pressure has been regulated down to between 1 and 3 barg. Optional extras include a relay which could be used to switch off the compressor or sound a remote alarm. The unit has 2 alarm set points and audio/visual alarms.

With audio/visual alarms and options including relays and 4-20mA, there is no better value, or more accurate and reliable CO monitor on the market. It is available as either a 230 V AC, 110 V AC or 24 V DC powered unit, and fitted with UK, Euro, US or Australian plugs.

The instrument uses an electrochemical cell together with state of the art technology, built in an IP65 splash proof housing, and is designed to provide long, trouble free service, with minimum maintenance.

KEY FEATURES

Fast accurate analysis of carbon monoxide

High performance equipment at an affordable price

Quick and easy to use

Market leader for CO analysers

Robust design

INDUSTRIES

UK & USA
Quality Design,
Manufacturing & Service

Your Challenge, **Our Passion**

ANALOX RECOMMENDS

Use the maintenance label on the CO Clear to ensure your unit is calibrated regularly and the sensor is replaced when required.

CO range(s): 0.0 to 10.0 ppm (Air, Nitrox & Heliox systems), 0.0 to 25.0 ppm (Air & Nitrox systems only)

Inlet pressure range: 1 to 3 bar gauge (14.5 to 42.5 psi)

Sensor accuracy: better than ± 1 ppm at constant temperature and pressure*

Response time: < 90 seconds

Operating temperature: 0 to 40 °C (32 to 104 °F)

Temperature effect: 0.04% of reading/ °C

Atmospheric pressure range: 800 mbar to 1200 mbar

Warm up time: 2 minutes

Weight: 400 g / 0.8 lbs

Dimensions: 175 x 130 x 70 mm (l x w x d), 6.8 x 5.11 x 2.75 inches (l x w x d)

IP rating: IP65

Sensor type: electrochemical cell

Sensor life (expected): 2 years at standard temperature and pressure

Sensor warranty: 1 year

Electronics warranty: 1 year

Display: 4 digit LCD

Alarms: 2 x alarm visual indicators, 1 x system fault indicator, 1 x status indicator, common audible alarm

Relays: one or two optional alarm relays with changeover contacts assigned to alarm 1, alarm 2 or system fault, contact rating 230 V AC or 30 V DC at up to 2 A, contacts are non-latching fail-safe

Outputs: 2 wire 4-20 mA (max load 150 Ω)

Power supply options: Option selected at time of manufacture/order, 210/250 V AC, 110/120 V AC, 9-24 V DC

This accuracy applies to an instrument calibrated using nitrogen balance gas and the monitoring of nitrogen balance gas only

ANALOX ASKS

Do you believe that a periodic check of your breathing air quality is enough or would continual monitoring with a CO Clear be a better solution?

You can call us

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