

GASES DETECTED

CO₂

O₂

CO

VOC

H₂O

ACG+

Multi Gas Compressor Monitor



KEY FEATURES

Portable or fixed

Mains, DC and up to 12 hour rechargeable battery power options

Proprietary dew point sensor lock out system for fast start up – ideal for multi-point checking

Proprietary humidifier option for continual use to prolong electrochemical sensor lives (CO & O₂)

Easy-connect purge system – helps ensure accurate readings in minutes

Robust carry case

90 days of datalogging easily retrieved via USB connection options

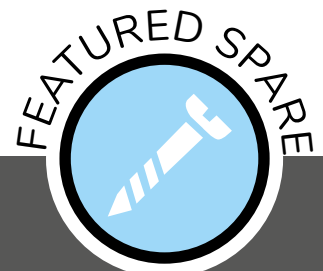
P0149-613 Humidifier Kit - If you intend to use your ACG+ for more than 12 hours per day our proprietary humidifier solution will ensure that the lives of the O₂ and CO sensors are prolonged and are not dried out.

The ACG+ is a unique compressed breathing air monitor designed to be used in a fixed installation to your air compressor or as an ideal portable solution for multi-point air monitoring. The ACG+ offers the user peace of mind as it continually monitors Oxygen (O₂), Carbon Dioxide (CO₂), Carbon Monoxide (CO), dew point (H₂O) and Volatile Organic Compounds (VOC) and also has a sample port to check for oil mist. Continual monitoring or periodic checking of these parameters aids the user in achieving compliance with breathing air standards such as EN12021, whilst ensuring those employees breathing the air are safeguarded against potentially fatal contamination issues.

Colorimetric tube testing and lab testing of breathing air is costly and only a spot check. The ACG+ can be used continually or periodically to verify if the air is safe to deliver to the user.

Housed in a robust case when used portably or in a purpose built housing when used in a fixed position, the ACG+ is simple to install, use and maintain and has a low cost of ownership. The ACG+ offers 90 days of datalogging, easily retrieved with a USB connection and has audio/visual alarms and a common relay to connect to a beacon or to shut down the compressor should an alarm be triggered.

INDUSTRIES



Manufactured
in Great Britain

LOOKING AFTER THE
AIR YOU BREATHE

ANALOX
Sensor Technology

SPECIFICATIONS

Sensors

Oxygen

Range: 0 to 50%

Accuracy: $\pm(0.035\% \text{ O}_2 + 1\% \text{ of reading} + 0.15\% \text{ of reading}/^\circ\text{C})$

Technology: Analox MEC intelligent electrochemical oxygen sensor

Carbon dioxide

Range: 0 to 1000 ppm

Accuracy: $\pm(25 \text{ ppm CO}_2 + 1\% \text{ of reading} + 1 \text{ ppm CO}_2/^\circ\text{C})$

Technology: Analox 5S3 intelligent NDIR sensor

VOC

Range: 0 to 100 ppm

Accuracy: $\pm(1 \text{ ppm VOC} + 5\% \text{ of reading} + 0.25\% \text{ of reading}/^\circ\text{C})$

Technology: Analox MEC intelligent PID sensor

Carbon monoxide

Range: 0 to 20 ppm

Accuracy: $\pm(1 \text{ ppm CO} + 5\% \text{ of reading} + 0.1 \text{ ppm CO}/^\circ\text{C}) + 0.5\% \text{ of reading}/^\circ\text{C})$

Technology: Analox MEC intelligent electrochemical sensor

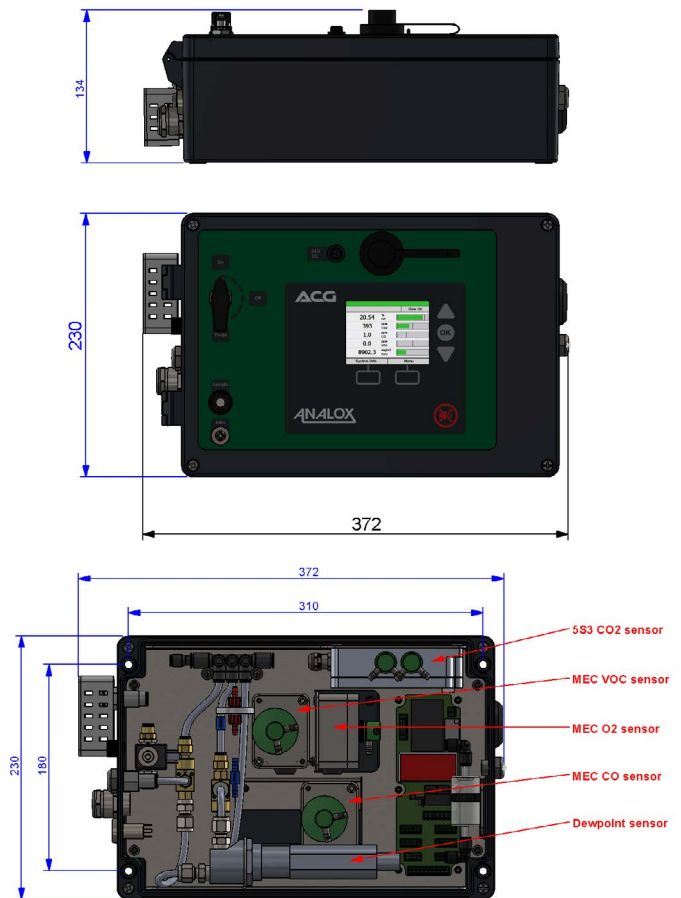
Water Vapour

Range: 0 to 100 mg/m³

Accuracy: $\pm(0.15 \text{ mg/m}^3 \text{ H}_2\text{O} + 20\% \text{ of reading})$

Technology: Water vapour sensor using capacitive technology

The ACG+ is built upon Analox's latest innovations in sensor technology. The new range of 5S3 and MEC intelligent sensors are Analox's most compact, miniaturised range of sensors to date. Each sensor comes with its own electronics for signal processing and temperature compensation which enables each sensor to become a field replaceable item.



Monitor

Power input voltage: 24 V DC

Power consumption: 24 W (max)

Optional power supply: Universal mains adaptor; input 95 to 250 V AC, 50/60 Hz

Sensor response time: T90 <120 seconds, T90 <15 minutes (water vapour sensor)

Flow rate: 0.5 L/min (max)

Inlet pressure: 5 to 10 bar gauge

Operating temperature: -5 °C to 50 °C

Storage temperature: -10 °C to 60 °C

Humidity: 0 to 99 %rh (non condensing)

IP rating: IP54

Outputs: 1 x normally open relay contacts, 1 x normally closed relay contacts, 3 x 24 V DC switched output

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice.

Full technical specifications are available upon request and can be found in the User Manual.

If you require a datasheet in another language please contact us.

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