



Respiratory Compressed Air Monitor

C.A.M. 900

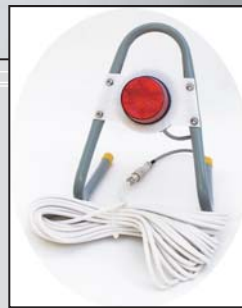
Description

The CAM 900 is an easily installed continuous monitor for new or established respiratory compressed air systems. A small (0.5 SCFH) sample is provided to the monitor from the compressed air line. Audio and visual alarms are provided when the internal electrochemical sensor detects a carbon monoxide level of 10 ppm or greater in compliance with Federal OSHA regulations under *Title 29, Section 1910.134 (d) (1) & (2)*. In addition, the alarms sound if the air sample to the sensor is not within the proper sample range. A digital read-out continuously shows carbon monoxide level and allows for simple single gas calibration.

Application

Using a compressor to supply breathing air introduces concerns with the quality of the supplied air. Oil lubricated compressor sources require compliance to Federal standards and all compressors are subject to inhalation of carbon monoxide and other contaminants. A single CAM 900 can protect an entire compressed air system from carbon monoxide. Properly located near the compression source all downstream users are protected.

C.A.M. 900 Electrochemical Sensor/ Digital Display



Optional Remote Alarm

Standard Features

- ⊕ Electrochemical Sensor
- ⊕ 10 ppm Carbon monoxide Alarm
- ⊕ Rugged Electronic flow indicator
- ⊕ Continuous check of proper sample flow to sensor
- ⊕ Protection from RF.
- ⊕ Field Programmable for continuous or interrupted operation
- ⊕ Simple single gas calibration
- ⊕ Digital display
- ⊕ Internal relay and 12 VDC alarm output for remote alarms
- ⊕ Microprocessor based circuitry
- ⊕ Rugged Non-metallic case NEMA-12/4X
- ⊕ 120 volt AC or 12 volt DC (Field changable)
- ⊕ 98db Alarm Horn

Approvals and Certifications

- ⊕ Meets OSHA requirements for CO monitoring
- * Federal OSHA title 29, Section 1910.134 (d) (1) & (2)

Federal OSHA regulations specify Grade D air for use with supplied air respirators. In 1989, the Compressed Gas Association established a maximum concentration of 10 ppm Carbon monoxide for Grade D air as published in ANSI/CGA Standard G-7.1.

Benefits

- ⊕ Low operating cost
- ⊕ Flexible installation
- ⊕ Visible status in all lighting conditions
- ⊕ One monitor can provide protection for all personal down stream of the monitor installation.
- ⊕ Self monitoring for proper sample flow
- ⊕ DC output for option external devices & dry contact relay output