



Respiratory Compressed Air Monitor

C.A.M. 810

Description

The CAM 715 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 metal oxide sensor detects carbon monoxide of 10 ppm or greater as outlined in Federal OSHA regulations under title 29, Section 1910.134 (d) (1) & (2). The CAM 715 enhances user safety by also responding to other toxic gas and hydrocarbons. In addition, the alarms sound if the air sample to the sensor is not within the proper sample range. An electronic analog meter read-out continuously shows contamination 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 potentially toxic and hazardous gases and vapors. A single CAM 715 can protect an entire compressed air system. Properly located near the compression source all downstream users are protected.

Standard Features

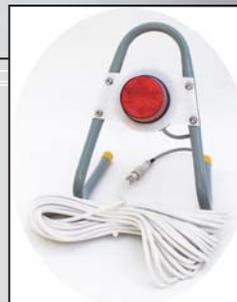
- ☒ Metal Oxide Sensor
- ☒ 10 ppm Carbon monoxide Alarm
- ☒ Rugged Electronic flow indicator
- ☒ Continuous check of proper sample flow to sensor
- ☒ Protection from RF.
- ☒ Field Programmable for continuous or interrupted operation
- ☒ Simple single gas calibration
- ☒ Rugged electronic analog display
- ☒ 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.

C.A.M. 810 Metal Oxide Sensor/ Electronic Analog Display



Optional Remote Alarm

Benefits

- ☒ Low operating cost
- ☒ Flexible installation
- ☒ Broad range toxic protection
- ☒ One monitor can provide protection for all personal down stream of the monitor.
- ☒ Self monitoring for proper sample flow
- ☒ DC output for option external devices & dry contact relay output