

In line Carbon Monoxide Monitors

The following is an excerpt from the CSA standard regarding the requirements for real-time monitoring for carbon monoxide on all oil-lubricated compressors:

5.6 Carbon monoxide monitoring

5.6.1

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Carbon monoxide levels shall be continuously monitored within compressed breathing air systems, e.g., those using oil-lubricated compressors, using an in-line monitoring system which shall

- (a) have audible and visual alarms set at 5 ppm;
- (b) have a detection limit of 1 ppm and resolution of at least 1 ppm; and
- (c) be equipped with a calibration system using a calibration gas concentration selected in accordance with the manufacturer's instructions.

5.6.1.2

In-line carbon monoxide monitoring is not required for:

- (a) ambient air systems; or
- (b) compressed breathing air systems comprised of compressed breathing air cylinders which have been filled meeting the requirements of this Standard.

5.6.2

Carbon monoxide monitors shall be calibrated in accordance with the manufacturer's instructions.

5.6.3

Carbon monoxide monitors shall be located in such a way that they monitor the quality of the breathing air prior to its delivery to the compressed breathing air pipeline, i.e., down-line of any potential source of carbon monoxide.

5.6.4

Compressed breathing air systems shall have carbon monoxide alarms located in such a way that they provide adequate notification to ensure that the user is not exposed to elevated carbon monoxide levels in the breathing air.

5.7

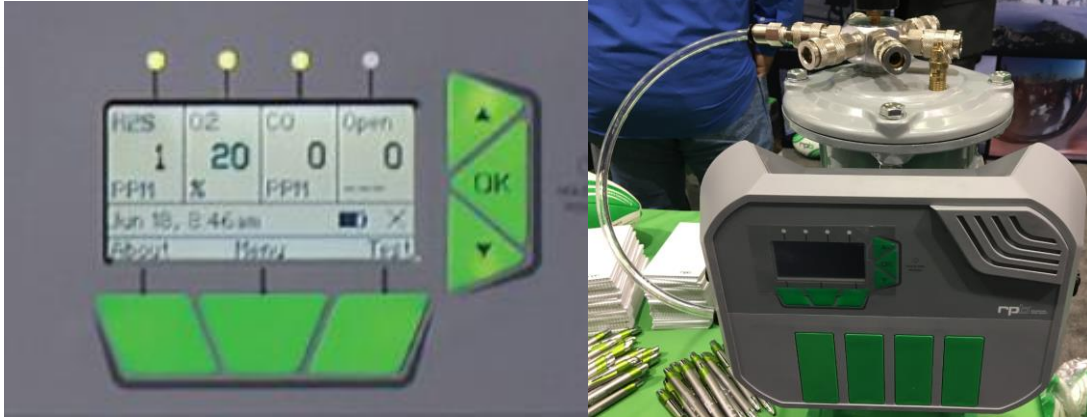
Records shall be kept of the design, construction, installation, commissioning, calibration, testing, operation, inspection, maintenance, repair, and results of analysis of compressed breathing air systems and of the testing equipment.

Note: *Commissioning records should be kept for the life of the compressed breathing air system and all other records should be kept for a minimum of five years. The intent of this Clause is to ensure the integrity of the system.*

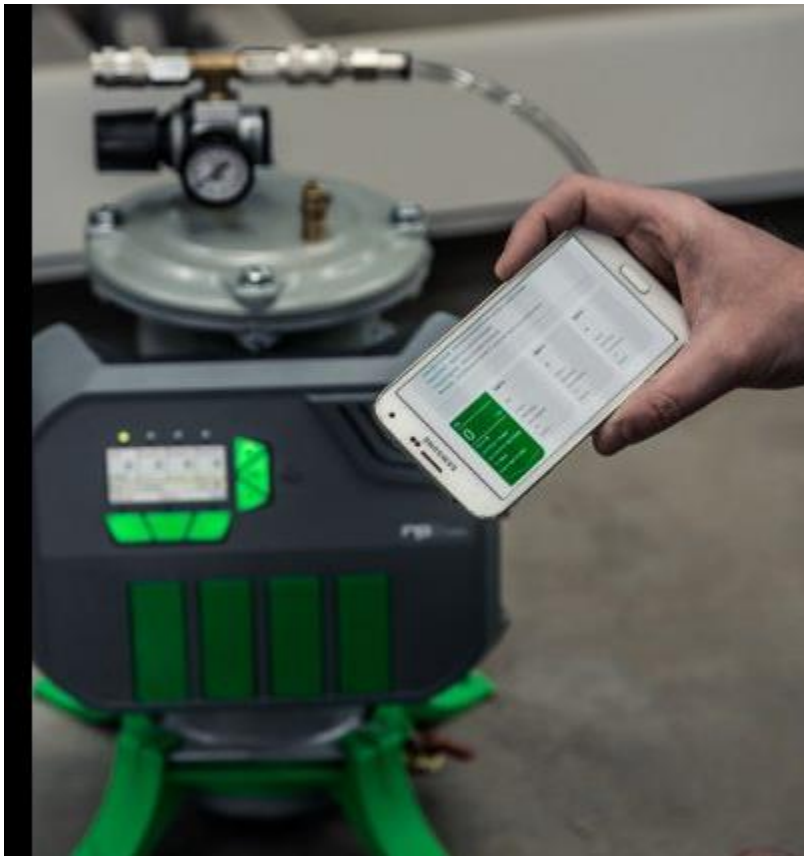
More than just CO

Newer meters are available that test for multiple possible contaminants such as hydrogen sulfide, carbon dioxide and total hydrocarbons. They are generally easier to connect than older models. You can also check the air quality at any time remotely on your phone or other device.

Safety in Numbers – Compressed Breathing Air



Display of Newer Compressed Air Sensor Systems



Check air quality at any time from your phone or other device. Be notified on your device if the quality of air drops below pre-set levels.