

# MONTHLY CALIBRATION OF CARBON MONOXIDE ALARM

FOR LUBRICATED COMPRESSORS USED TO BREATHE OFF



## WHY IS A CO ALARM REQUIRED?

- ❖ OSHA Standard (29 CFR 1910.134(i)(1)) - Grade D Breathing Air
- ❖ Oil-lubricated air compressors are a common source of supplied breathing air. Common contaminants in the ambient air of typical work areas may contain CO, water vapor, oil and dirt.
- ❖ CO alarm specifically checks carbon monoxide levels throughout your compressed air system.



## MST MODEL 5700 CALIBRATION INSTRUCTIONS

- ❖ Turn on monitor and allow it to run approximately 5 minutes
- ❖ Check the battery power. Green light = normal
- ❖ Disconnect sampling tube from the lower outlet porting block to the monitor
- ❖ Connect the fittings and tubing to the regulator
  - ❖ DO NOT attach the regulator to the calibration gas cylinder until you are ready to calibrate
- ❖ Attach the Zero Air cylinder to the regulator
- ❖ Locate the Zero adjustment potentiometer
  - ❖ If the display does not display 0 after one minute, adjust the potentiometer
- ❖ When the monitor reads 0 disconnect the Zero Air cylinder and attach the Span Gas cylinder
  - ❖ Note the CO concentration on the cylinder
- ❖ Display should read the concentration of CO printed on the gas cylinder after one minute
- ❖ Alarm will sound at 10, adjust the Span potentiometer
- ❖ When the monitor reads the CO concentration printed on the cylinder, unscrew the cylinder from the regulator
  - ❖ Re-insert the monitors sampling tube into the plastic fitting

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# MONTHLY CALIBRATION AND FILTER INSPECTION OF CARBON MONOXIDE ALARM

CO ALARM SERIAL NUMBER: \_\_\_\_\_ MAKE/MODEL: \_\_\_\_\_  
GENERAL FOREMAN: \_\_\_\_\_ AREA/PILLAR: \_\_\_\_\_  
SUPERINTENDENT: \_\_\_\_\_

DATE	NAME	BADGE NUMBER	CALIBRATION	FILTER INSPECTION	FILTER CHANGED OUT?	SIGNATURE
01/01/23	John Smith	123456	x	x	x	Example

Keep all records with CO alarm. Calibration completed at least monthly. Filter inspection at least monthly and changed every 3 months.