

CO-Guard-MOS

RESPIRATORY AIR LINE MONITOR

CO-Guard-MOS is a compact, easy to install and operate, compressed air line CO monitor. The instrument incorporates a backlighted digital display, rugged, long-life, metal oxide semiconductor (MOS) sensor and hydrocarbon filter for trouble-free and reliable operation.

CO-Guard-MOS is designed for installation in non-hazardous (not potentially explosive) locations, and is suitable for use in a wide variety of applications ranging from automotive, and similar, paint spray operations to wood finishing. This monitor can be used in most commercial or industrial processes which utilize supplied-air respirators.



SPECIFICATIONS

Range:	0-50 ppm CO
Alarm Levels:	
Alarm 1:	10 ppm CO, user adjustable
Alarm 2:	20 ppm CO, user adjustable
Alarm 3:	35 ppm CO, user adjustable
Alarm Adjustment:	All three alarms are user adjustable between 10 to 50 ppm
Audible Alarm:	105 dB at 30 cm (12 inches), factory set to activate at Alarm 1, user adjustable
Visual Gas Alarm:	3 Red LEDs
Visual Power/Fault:	Green/Red LED
Display:	8 Character, high contrast dot matrix LCD with backlight
Sensor:	Metal oxide semiconductor (MOS)
Response Time:	$t_{90} = 180$ sec.
Accuracy:	+/- 15% of reading
Temperature Range:	32° to 122°F (0° to +50°C)
Outputs:	Relays: 4 Form C, 10A SPDT contacts, 3 gas alarms and 1 fault
	Analog: 4-20 mA
	Digital: RS-485 Modbus
Power:	100-240 VAC, 50/60 Hz and/or 24 VDC, 15W
Power Connection:	Supplied with strain relief for 0.20 to 0.35 inch diameter cable
Inlet Air Line	
Connection:	1/4" NPT female; supplied with male quick release fitting (Milton 727, Hansen 1000 compatible)
Sample Air Line:	approximately 10 feet between monitor and connection to facility air supply
Inlet Pressure:	50 to 150 psi air supply lines, regulated 7 to 12 psi to sensor
Enclosure:	Polycarbonate
Size, Instrument Only:	7 x 5 x 3 inches (18 x 13 x 8 cm)
Weight,	
Instrument Only:	2 lbs. (0.9 kg)

Consult factory for other models and options, including oxygen monitoring.

Compact Compressed Air Line Carbon Monoxide Monitor/Alarm

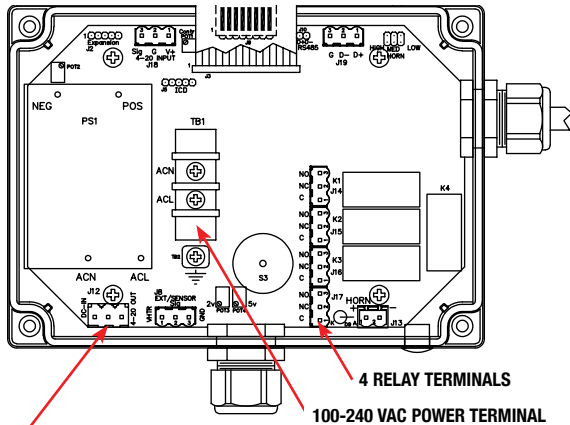
FEATURES

- Compact Design
- Digital Display
- User Programmable Alarms & Relays
- 4-20 mA Output
- RS-485 Digital Communication Capability
- 100-240 VAC, 24 VDC Power Options
- "Intelli-Cal" Push-Button Calibration Procedure
- 3 Levels of Alarms
- Protected Maintenance Functions
- Audio and Visual Alarms
- High Integrity Polycarbonate Enclosure
- High Capacity Relays



CO-Guard-MOS Compact Compressed Air Line Carbon Monoxide Monitor/Alarm

INTERNAL FEATURES

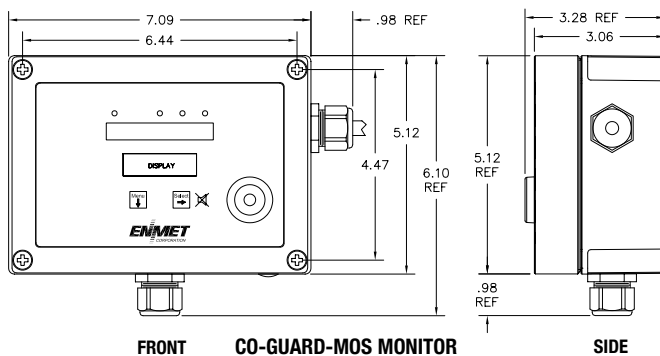


DC POWER TERMINAL

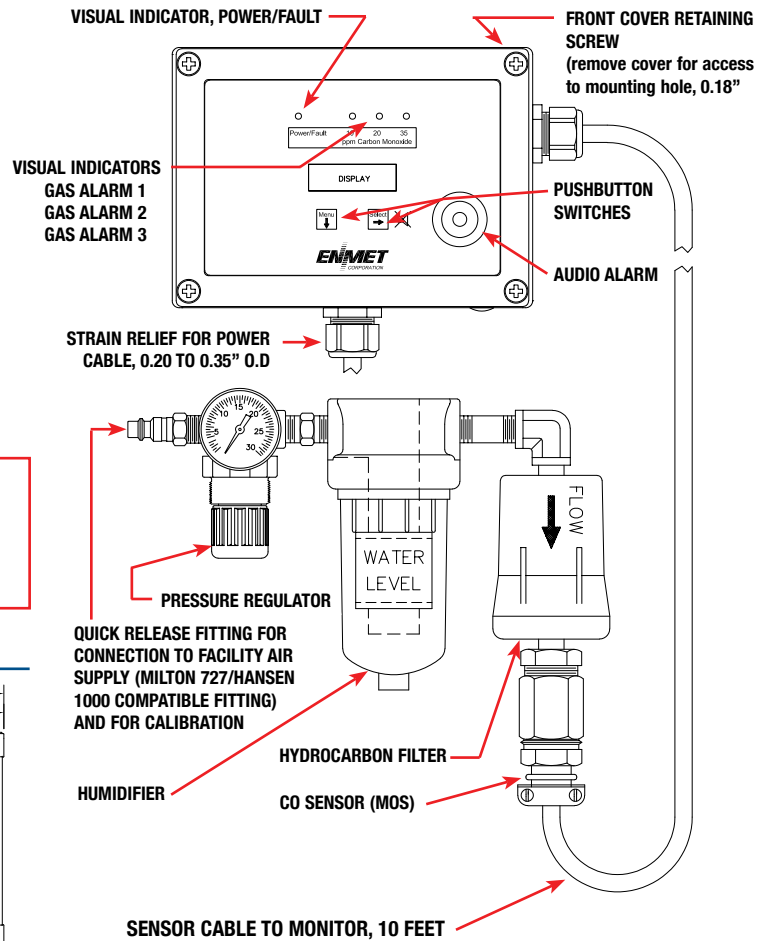
Position	Function
1	+24 VDC power
2	GND
3	4-20 mA out

NOTE: Loss of primary power renders continuous gas monitors inoperative. Contact factory for specifications and pricing for backup battery systems compatible with ENMET monitors.

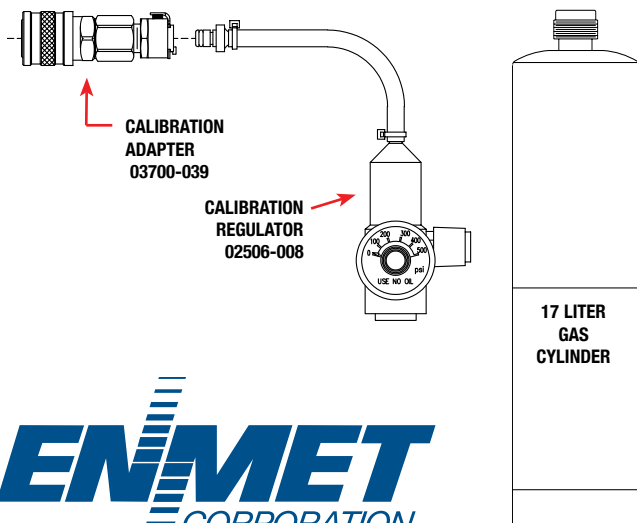
DIMENSIONS IN INCHES



EXTERNAL FEATURES



CALIBRATION CYLINDERS AND HARDWARE



ORDERING INFORMATION

Instrument	Part No.
CO-Guard-MOS, with regulator, humidifier & hydrocarbon filter	03481-040
Calibration Gas & Hardware	
Calibration Regulator for 17 liter cylinder	02506-008
Calibration Adapter	03700-039
Calibration Gas, 20 ppm CO, 17 liter	03219-020
Zero Gas, 20.9% O ₂ , 17 liter	03296-209
Calibration Equipment Case	73083-000

WARNING:

CO-Guard-MOS should not be used without an oxygen monitor unless there is complete assurance that inert gas cannot be accidentally injected into the breathing air line.

