

# MST MODEL 2002 SINGLE GAS AREA MONITOR (Diffusion Type)



The *new* 2002 toxic gas monitor system is a cost effective, single point, fixed monitoring system for gas analysis. The monitor is housed in a NEMA 4 enclosure with clear front panel and digital readout, and is designed to operate in forced air, diffusion, or remote sensing modes - allowing the instrument to fit many applications for gas detection in non-flammable atmospheres.

Designed originally to meet OSHA CFR 29 1910.134 standards for the measurement of carbon monoxide in Grade D breathing air, the 2002 has been upgraded to meet not only Grade D breathing air application; but applications such as ambient monitoring in factories, parking garages, boiler rooms, or other areas where single point gas detection is required. The sensor can be located directly in the housing, or installed in a remote sensing head.

The 2002 is a fully enclosed monitor complete with digital readout, dual stage alarm relays and a clear front panel for easy viewing of gas conditions. Calibration pots are secured

behind the clear panel for easy access. Alarm relay contacts and sensor chamber are secured behind the lower access panel, allowing full service and wiring of the system while mounted ready for use. Audible and visual alarms can be mounted on the inside or outside of the housing, or located remotely according to user needs.

## ► Single Gas Area Monitoring System

The 2002 Area Monitoring Systems offers an attractive and user friendly package suitable for wall mounting, with easy access for calibration and sensor replacement. The monitor is housed in a durable poly-carbonate case with a clear front latching door for easy viewing of the LCD digital display. Audible alarm is available on the base package or user can connect their own alarm system(s) by accessing the (2) internal relays. The relays have user adjustable activation set points (factory can pre-set to your requirements at no extra charge). The MST 2002 Single Gas Area Monitor can be configured with an optional 4-20 MA 2-wire output connector to provide a wide range of signal recording and alarming functions. Available gasses include Carbon Monoxide, Oxygen, Hydrogen Sulfide, Sulfur Dioxide and Chlorine.

## TECHNICAL SPECIFICATIONS

<b>DIMENSIONS</b>	8" x 6.2" x 3.7" (200mm x 155mm x 92.5mm)
<b>WEIGHT</b>	2.2 lbs. (704 grams) - Monitor with diffusion sensor only
<b>ENCLOSURE</b>	NEMA 4 rated with latching cover
<b>DISPLAY</b>	11mm LCD single line display
<b>ACCURACY</b>	+/- 5% of reading
<b>MEASURING RANGE-</b>	<b>CO, H2S, SO2, CL2 Range</b> 0 - 999 ppm in 1 ppm increments <b>O2 Range</b> 0-25% in 1% increments
<b>POWER SUPPLY</b>	12 VDC, 120 / 240 VAC-50/60 Hz
<b>ALARM RELAYS</b>	Two, non-voltage, normally open and normally closed contacts.
<b>MAXIMUM RELAY LOAD (Dry Contact Only)</b>	5 amp 250 VAC 5 amp 30 VDC
<b>SENSOR TYPE</b>	Electrochemical
<b>RATING</b>	Non - intrinsic safe design, NEMA 4 rating only
<b>OPTIONAL EQUIP.</b>	80579, 4-20 MA 2-wire output connector

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