

EX-5150

Metal Oxide Semiconductor PPM and LEL Hydrocarbon Detection



PRODUCT HIGHLIGHTS

- **Solid State Sensor (MOS)**
- **Long Life Sensor**
- **Three alarm LEDs**
- **24 VDC, 4-20 mA**
- **NEMA 4X, NEMA 7, IP66**
- **Non-intrusive calibration**

EX-5150 uses a solid-state MOS (Metal Oxide Semiconductor) sensor. MOS sensors consist of a heated, mixed metal oxide catalyst that decreases resistance in the presence of many gases and vapors. MOS sensors follow a similar detection mechanism as a catalytic sensor but are, by design, more sensitive and can detect ppm concentration changes as well as LEL levels. MOS sensors offer a broader chemical detection range than photoionization sensors and has a much longer operational lifetime. Many different types of MOS sensor configurations are available. The EX-5150 provides a realtime monitoring capability for detecting common toxic gases, such as ammonia, hydrogen sulfide, and a wide range

of general hydrocarbons and industrial organic solvents such as acetonitrile.

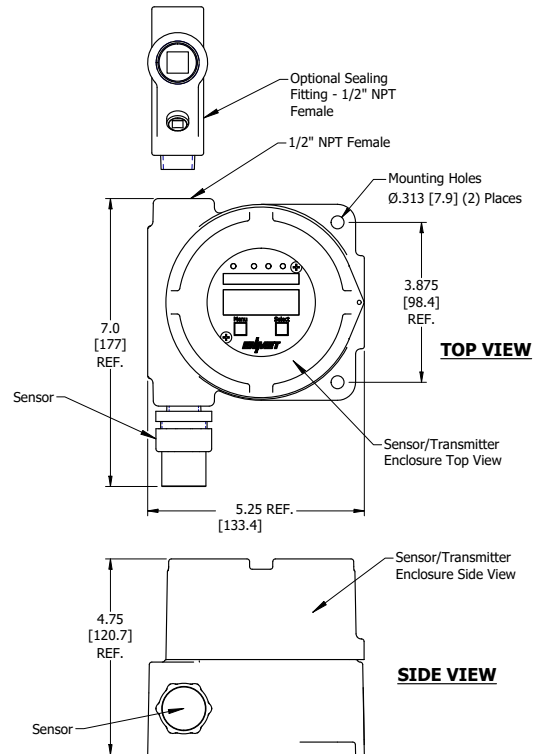
The EX-5150 operates on 24 VDC power and features three LED alarm point indicators and 4-20 mA output. This sensor transmitter can be connected to various single and multi-channel ENMET controllers or computer-based instrumentation, such as PLCs, SCADAs, BMSs.

EX-5150

GENERAL SPECIFICATIONS

Sensor Type:	Metal Oxide Semiconductor
Display:	Backlit LCD
Alarm Indicators:	3 LEDs with programmable set points
Menu/Calibration:	Magnet-actuated switches
Voltage:	24 VDC powered
Output:	4-20 mA
Installation:	3-wire
Connection:	1/2 inch NPT, conduit
Humidity Range:	0-95% rH, non-condensing
Temperature Range:	-4 to +158°F (-20 to +70°C)
Weight:	4.8 lbs (2.2 Kg)

DIMENSIONS



ORDERING INFORMATION

Description	Part No.
EX-5150 Sensor Transmitter, factory calibrated, supplied with calibration magnet and manual	10014-008
Optional Alarm Relay PCB	05006-002
Optional Sampling Adapter	03045-000
Optional Splash Guard for EX-5150	04546-006
Optional Sealing Fitting	73152-000
Replacement Magnet	50030-001
Calibration Adapter, Humidifier and Regulator for 34 liter steel gas cylinders	03700-001
Calibration Adapter, Humidifier and Regulator for 34 liter aluminum gas cylinder, (Toluene and Ammonia)	03700-009

TYPICAL SCALIBRATION

Gas/Vapor	PPM	Gas/Vapor	LEL
Acetone	2000	Acetone	50%
Ammonia	300	Ammonia	50%
Methyl alcohol	400	Methyl alcohol	50%
Methyl chloride	200	Methyl chloride	50%
Toluene	400	Toluene	50%
Methyl Ethyl Ketone	400	Methyl Ethyl Ketone	50%
Styrene	200	Styrene	50%
Methylene Chloride	200	Methylene Chloride	50%
Xylene	400	Xylene	50%

Contact ENMET regarding ranges and custom calibration requirements.



WARNING! Loss of primary power renders continuous gas monitors inoperative. Contact factory for specifications and pricing for compatible backup battery systems.