

## Eagle GC

### Continuous Wall Mount Ambient Air Analyzer



#### PRODUCT HIGHLIGHTS

- **Specific gas detection**
  - Ethylene oxide
  - Benzene
  - Vinyl chloride
- **OSHA compliance reporting**
- **Excellent sensitivity with sub ppm detection**
- **Accurate and Precise**
- **Low cost of operation & sustainment**

*Eagle GC* (Gas Chromatograph) is a 24/7 ambient air analyzer designed to detect toxic gases associated with OSHA compliance monitoring. It is designed to be a highly specific threat monitor able to function in complex chemical environments providing accurate and precise results. Designed to operate for long term workplace monitoring, it is a fully self-contained instrument, which includes an integral four point sampling system and comprehensive OSHA reporting. These reports include TWA (time weighted average), STEL (short-term exposure levels), calibration event data and concentration alarm reports.

Using gas chromatography as its method of analysis, it separates the components of a workplace ambient air sample to allow the target chemicals to be detected without compromise associated with real time semi specific electrochemical sensors. *Eagle GC* collects a small air sample via an internal pump, which is collected on the sample modulator or pre-column. This sample is transferred to the chromatographic column for separation. As the chemicals elute from the column they are detected by the sen-

sor. The sensor measures a change of state or difference over time, which causes the sensor baseline frequency shift at a specific time for a specific chemical. This change will be compared to the reference calibration and the result will be reported in concentration units in ppm (parts per million). The typical sample analysis takes less than 3 minutes to complete. This process provides chemical specific analysis and allows the *Eagle GC* to be superior to traditional continuous instruments in accuracy and precision.

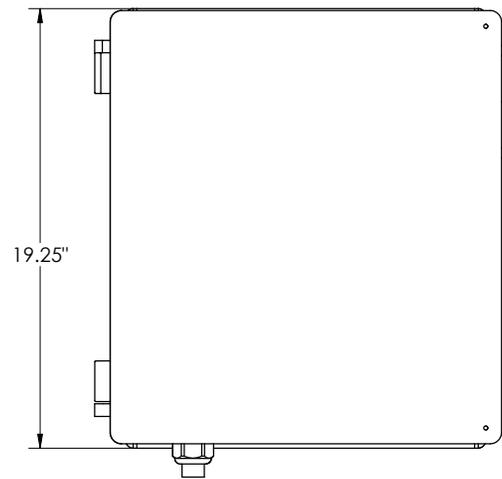
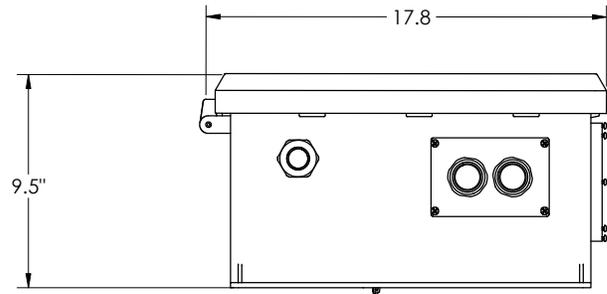
*Eagle GC* is simple to operate and economical to sustain. It requires no carrier gas cylinders or sensor support gases to function. It is able to use ambient air for its carrier gas supply needs, saving expense and logistics associated with cylinder typical chromatographic based instruments. Additionally, the use of a solid state sensor extends the sensor lifetime reducing the cost of sensor replacement. The recommended service interval is 6 months at which time only the carrier scrubber and the small calibration reference gas cylinder would need to be replaced.

# Eagle GC

## GENERAL SPECIFICATIONS

<b>Alarms:</b>	Audible >90dB and Visual LED on display panel.
<b>Report Functions:</b>	Function button on front panel send reports to PC
<b>Communications:</b>	Ethernet, RS-232c
<b>Calibration Frequency:</b>	User programmable
<b>Maximum sample distance:</b>	100ft
<b>Carrier Gas Scrubber:</b>	>5000 hours (6 months)
<b>Input Power:</b>	110/230VAc 50-60Hz
<b>Operating Temperature:</b>	10 to 33° C or 50 to 90° F
<b>Dimensions:</b>	17.5 W x 19.5 H x 9.5 D inches (44.5 W x 49.5 H x 24.2 D cm)
<b>Weight:</b>	35 lbs. (15.9 kg)
<b>Approvals:</b>	UL 333-1 1994  CAN/CSA-C22.2 no 1010.92 BS EN61010-1:1993 CE EMC directive 89/336EC, EN 55011:1991, EN 55082-2:1995

## DIMENSIONS



**Eagle Monitor**

## ORDERING INFORMATION

Contact ENMET sales department for a list of applications and product ordering information.

## GASES

