

# Portable Gas Analyzer

Gas purity is a critical life safety issue, making monitoring for potentially explosive levels essential.



## SPECIFICATIONS

### MEASUREMENT CHARACTERISTICS

<b>Technology Principle</b>	Thermal Conductivity
<b>Case Purity</b>	70 to 100% H <sub>2</sub> in air
<b>Purge</b>	0 to 100% H <sub>2</sub> in CO <sub>2</sub> 0 to 100% Air in CO <sub>2</sub>
<b>Hydrogen Flow Rate</b>	100 to 700 cc/min
<b>Accuracy</b>	+/- 1% of full scale @ 80% to 100% H <sub>2</sub> in air

### ELECTRICAL CHARACTERISTICS

<b>Input Voltage</b>	115 VAC, 50/60 Hz or 230 VAC
<b>Output, Signal</b>	4-20 mA
<b>Area Classification</b>	General Purpose

### MECHANICAL CHARACTERISTICS

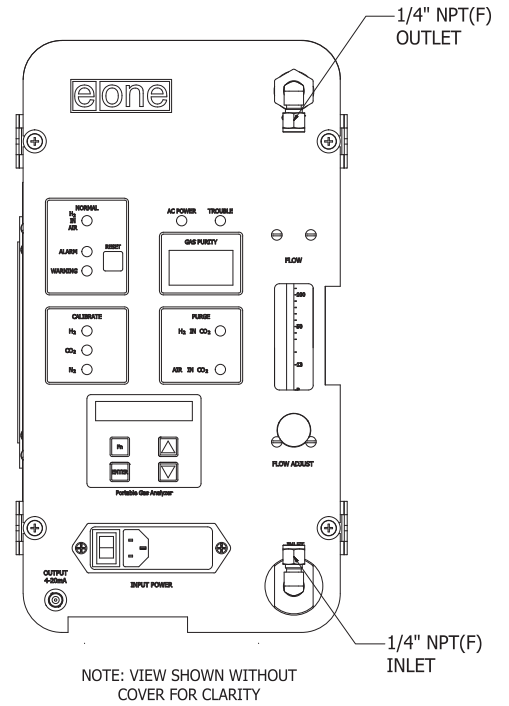
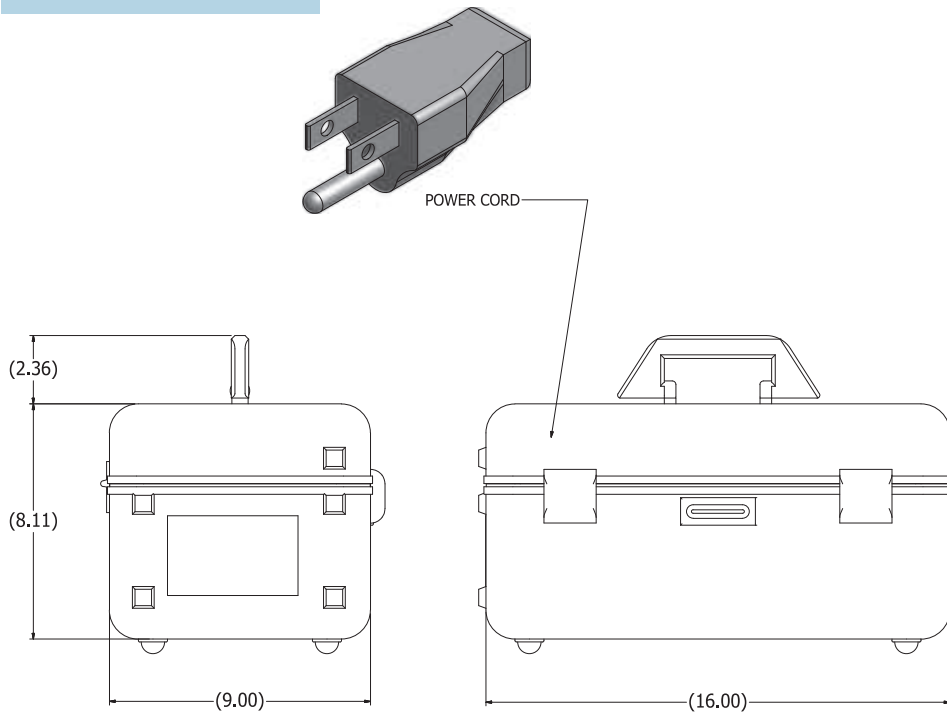
<b>Overall Dimensions</b>	8.5" x 10" x 11"
<b>Hydrogen Pressure</b>	100 psi maximum
<b>Gas Connections</b>	1/4-inch female NPT

**The PGA is a triple-range sensor/analyzer** that provides a temporary means of monitoring gas purity during all phases of generator operation, including filling and purging. We've taken a proven monitoring principle — thermal conductivity — and improved upon it. The result of E/One's development work is an extremely accurate, robust, and stable analyzer that eliminates the issues of drift and need for frequent recalibration seen in other thermal conductivity systems.

### FEATURES AND BENEFITS

- Increased generator efficiency and safety
- Microprocessor controlled
- General purpose design (for use in a safe area)
- Housed in durable carry case
- Self contained

# OUTLINE



# P & ID

