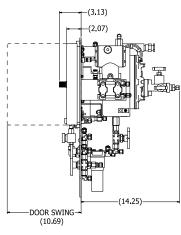
Generator Gas Analyzer

Maintaining hydrogen purity is critical to assuring proper performance, profitability and personnel safety levels.

22,00 22,00 23,00 4X Ø.41 THRU



SPECIFICATIONS

MEASUREMENT CHARACTERISTICS

Technology Principle Case Purity Purge

70% to 100% H2 in Air 0 to 100% H2 in CO2 0 to 100% Air in CO2 Nominal 500 cc/min

Thermal Conductivity

Flow Rate Resolution

+/- 0.1%

Accuracy

+/- 0.5% F.S. on H2 in Air

+/- 1.0% F.S. on H2 or Air in CO2

Linearity Drift +/- 1.0% F.S. <0.2%/month

ELECTRICAL CHARACTERISTICS

Power - Input Voltage Input Frequency

115/230 VAC 50/60 Hz

Output Signal

4-20 mA current output,

self-powered

Output, Relays

30V/1.0 A DC, 120V/0.5 A AC

Alarm, NO and NC

125V/0.005 A resistive DC

Warning, NO and NC Trouble, NO and NC Normal, NO and NC

Varning, NO and NC

MECHANICAL CHARACTERISTICS

Overall Dimensions Based on configuration

ENCLOSURE DIMENSIONS

System Electronics

Enclosure 11" x 12" x 9.25" **Sensor Cell Enclosure** 8" x 10" x 6.25"

Display Enclosure
Valve Panel (optional)

0.5" x 8.5" x 6.25" or panel mounted per requirement

Weight
Temperature

Based on configuration 32-149 F (0-65 C)

Relative Humidity

0-95%

Area Classification Class 1, Zone 2, Group IIB + H2

Gas Pressure 100 psi maximum **Gas Connections** 1/4" female NPT



The GGA is a triple-range sensor/analyzer that provides

continuous monitoring of gas purity during all phases of generator operation. 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 system that eliminates the issues of drift and need for frequent recalibration seen in other thermal conductivity systems.

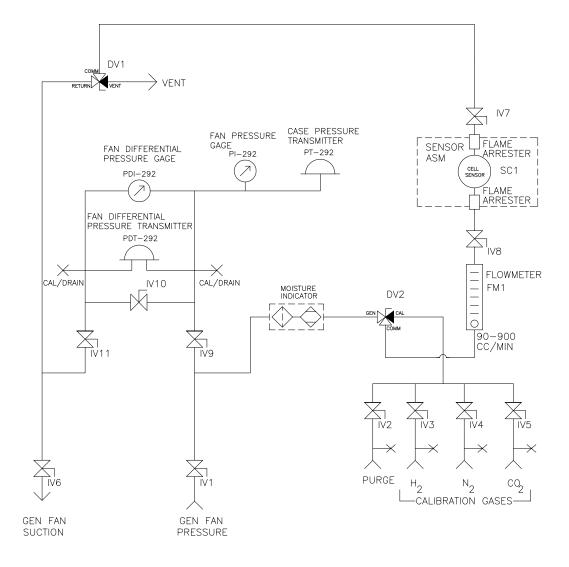
E/One supplies GGA systems in a range of configurations, from standalone sensor/analyzers and retrofit "drop-in" replacement systems to comprehensive hydrogen control cabinets that not only monitor gas purity, but provide continuous monitoring of case and differential pressures and interact with plant control systems to assure the highest levels of generator efficiency.

FEATURES AND BENEFITS

- Increased generator efficiency and safety
- Microprocessor controlled
- Flameproof, explosionproof and intrinsically safe designs
- Custom configurations to meet site-specific requirements
- Suitable for new and retrofit applications



P&ID



CUSTOMER INTERFACE

