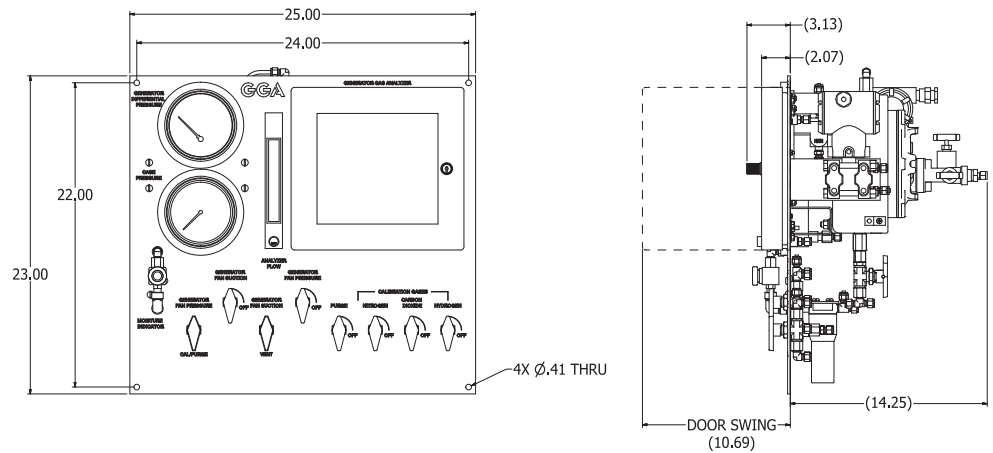


Generator Gas Analyzer

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



SPECIFICATIONS

MEASUREMENT CHARACTERISTICS

Technology Principle	Thermal Conductivity
Case Purity	70% to 100% H2 in Air
Purge	0 to 100% H2 in CO2
	0 to 100% Air in CO2
Flow Rate	Nominal 500 cc/min
Resolution	+/- 0.1%
Accuracy	+/- 0.5% F.S. on H2 in Air +/- 1.0% F.S. on H2 or Air in CO2
Linearity	+/- 1.0% F.S.
Drift	<0.2%/month

ELECTRICAL CHARACTERISTICS

Input Voltage	115VAC, 50/60 Hz (230 VAC, 50/60 Hz optional)
Input Frequency	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

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	0.5" x 8.5" x 6.25" or panel
Valve Panel (optional)	mounted per requirement
Weight	Based on configuration
Temperature	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



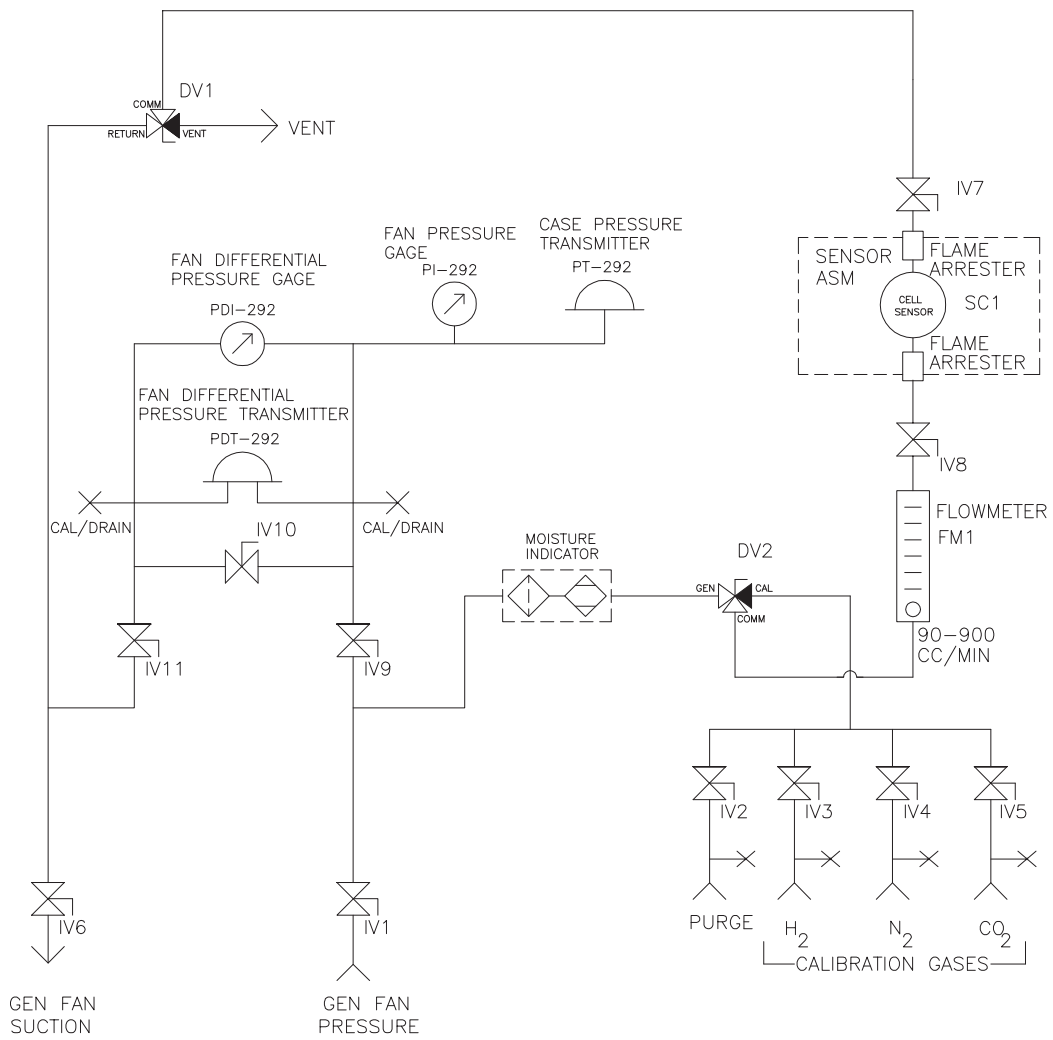
The GGA is a triple-range sensor/analyzer that provides continuous monitoring of gas purity during all phases of generator operation. We've taken a proven monitoring principle — thermal conductivity — and improved upon it. The result of E/One's development work is an extremely accurate, robust and stable 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 stand-alone 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.

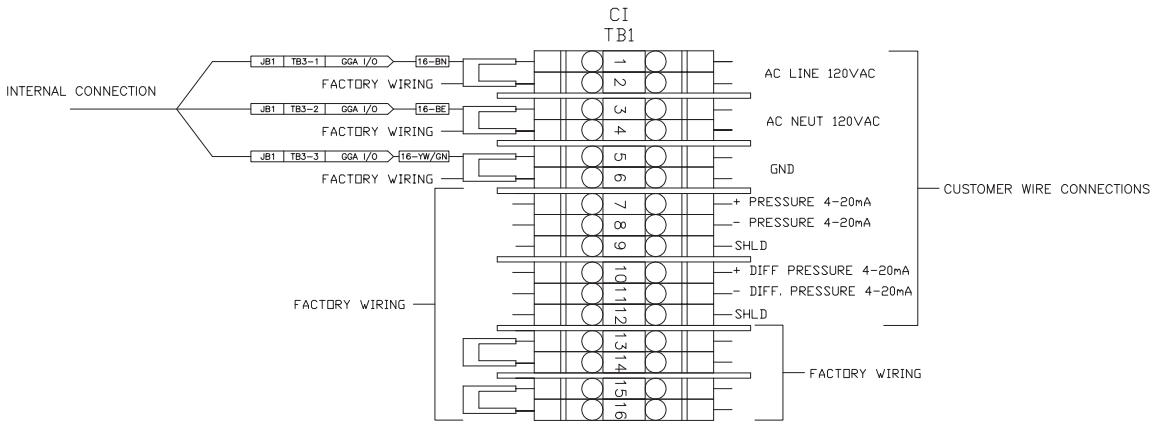
FEATURES AND BENEFITS

- 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

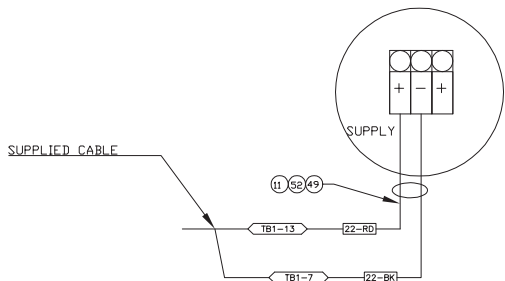
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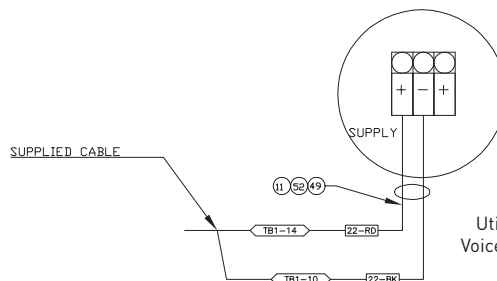
CUSTOMER INTERFACE



CASE PRESSURE TRANSMITTER



DIFFERENTIAL PRESSURE TRANSMITTER



eone Generating
UTILITY SYSTEMS Solutions™

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