GAS STATION:

Generator Gas Analyzer (GGA)

Generator Condition Monitor (GCM-X)

SPECIFICATIONS

GENERATOR GAS ANALYZER (GGA)

Technology:	Thermal Conductivity
Operation:	70% to 100% H2 in Air
Purge:	0 to 100% H2 in C02 0 to 100% Air in C02
Flow Rate:	Nominal 500 cc/min
Resolution:	± 0.1%
Accuracy:	± 0.5% F.S. H2 in Air ± 1.0% F.S. H2 in C02 ± 1.0% F.S. Air in C02
Linearity:	± 1.0% F.S.
Drift:	< 0.2%/month

GENERATOR CONDITION MONITOR (GCM-X)

Technology:	Ionization Chamber
Flow Rate:	Adjusted by internal valve
Differential Pressure:	4" H2O (102 mm) minimum

Bar Graph Readout

Normal Operation:	80% of scale
Warning Condition:	65% of scale (adjustable)
Alarm Condition:	50% of scale
Flow:	1.5

ELECTRICAL CHARACTERISTICS

Input Voltage:	115 VAC (230 VAC available)
Input Frequency:	50/60 Hz
Outputs:	Three 4-20 mA signals Seven relays

MECHANICAL CHARACTERISTICS

Temperature:	32-140F (0-60C)
Relative Humidity:	0-95%
Gas Pressure:	100 psi maximum
Calibration Gas Connections:	¼" Compression
Fan Pressure/Suction:	½" Compression
Paint:	Powder Coat, Blue
Area Classification:	Class 1, Zone 2 Group IIB + H2

E/ONE'S GGA/GCM-X GAS STATION combines continuous gas purity monitoring with early warning of generator overheating to give operators the information they need to maintain the highest levels of safety, efficiency, and risk mitigation. The GAS station puts two E/One technologies into an economical, fast lead time solution. This GAS station incorporates international requirements for hazardous area locations and is available in an open frame or NEMA 3R configuration.

OPEN FRAME CONFIGURATION

NEMA 3R CONFIGURATION

GENERATOR GAS ANALYZER (GGA)

- Microprocessor controlled with self-diagnostics
- Differential pressure and Case pressure indicating transmitters, ranged for site specific needs*
- Triple range (normal operation and purge)
- Best in class accuracies with minimal drift

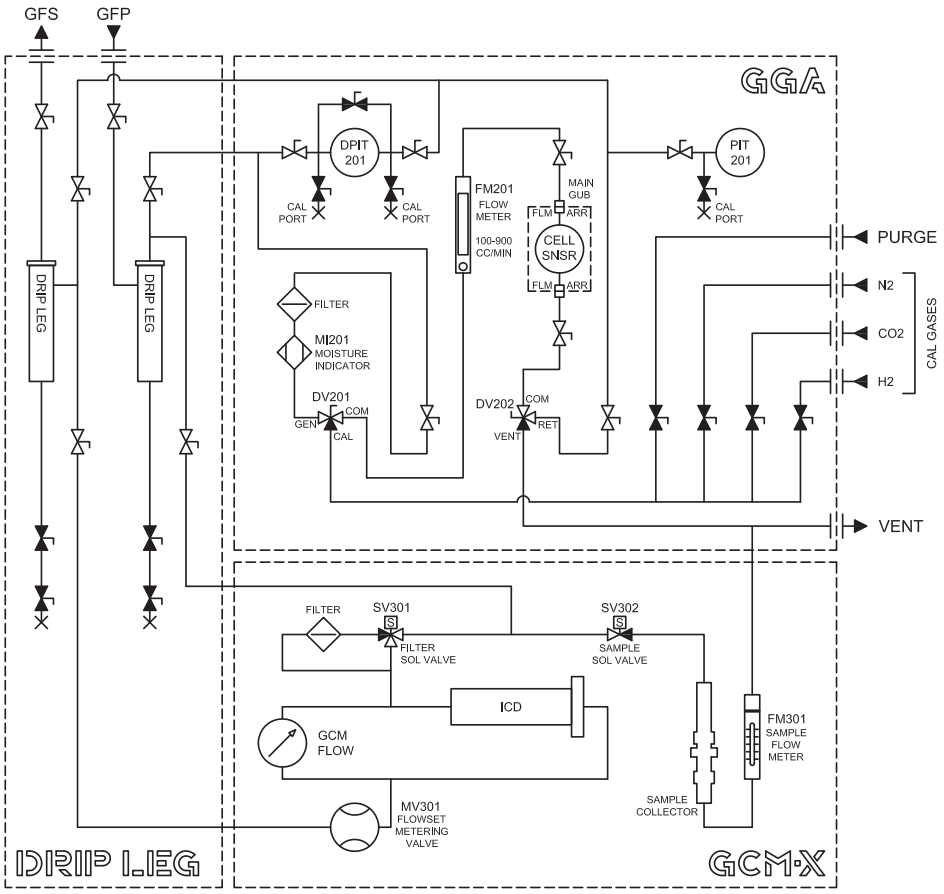
**Also available in dual gauge/dual transmitter version*

GENERATOR CONDITION MONITOR (GCM-X)

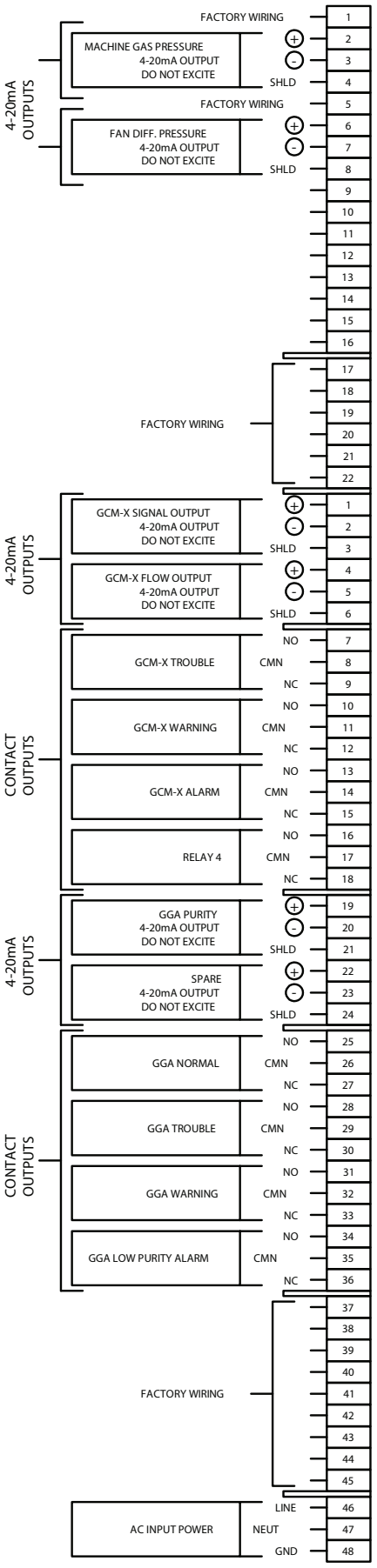
- Microprocessor controlled with self-diagnostics
- Automatic alarm verification
- Automatic sampling system
- Differential pressure indicating transmitter for stable flow control
- Dual bar displays for flow and output
- Status and alarm indicators

e/one H2 SYSTEMS

P&ID

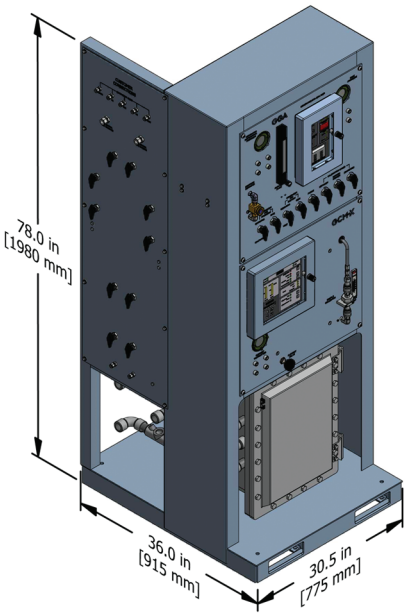


CUSTOMER INTERFACE

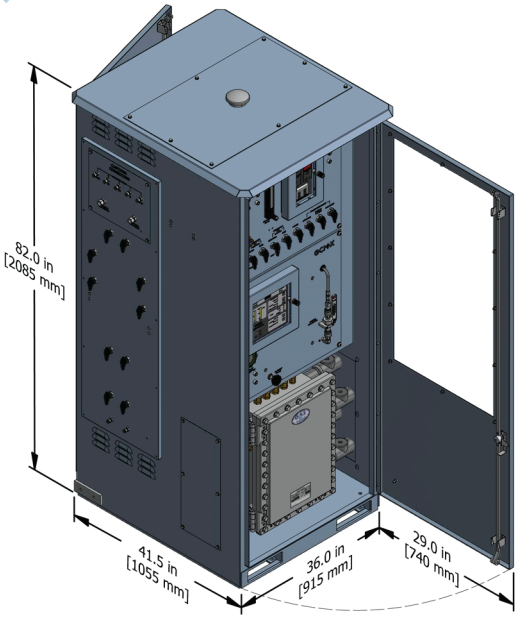


OUTLINE

OPEN FRAME, LEFT DRIPLEG CONFIGURATION



NEMA 3R, LEFT DRIPLEG CONFIGURATION



Door swing on NEMA enclosure is typical for both front and rear doors. Dimensions are for reference only and do not include recommended clearances. Contact E/One for detailed outline drawings.

eone H2 SYSTEMS

ENVIRONMENT ONE CORPORATION Utility Systems: 2773 Balltown Road, Niskayuna, NY 12309 USA
Voice: 518.346.6161 | Fax: 518.346.4382 | www.eone.com/solutions | A PCC Company. LM000441