GAS STATION:

Generator Gas Analyzer (GGA)

Auxiliary Panel (AUX)

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

AUXILIARY PANEL (AUX)

Inputs:	Up to 2 analog, 0-100% Up to 16 discrete
Switches:	Site specific, up to 3
	- Additional options available -

ELECTRICAL CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

Temperature:	32-140F (0-60C)
Relative Humidity:	0-95%
Gas Pressure:	100 psi maximum
Calibration Gas Connections:	1/4" Compression
Fan Pressure/Suction:	1/2" Compression
Paint:	Powder Coat, Blue
Area Classification:	Class 1, Zone 2 Group IIB + H2

E/ONE'S GGA/AUX GAS STATION combines continuous gas purity monitoring with site-specific annunciation and auxiliary monitoring. E/One has optimized the auxiliary features to offer an economical, fast lead time solution to the unique requirements of any power plant. This GAS station incorporates international requirements for hazardous area locations and is available in an open frame or 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





AUXILIARY PANEL (AUX)

- Fully customizable annunciator display
- Optional dewpoint transmitter and display





GES GFP ╇ FACTORY WIRING GGA 4-20mA OUTPUTS MACHINE GAS PRESSURE 4-20mA OUTPUT DO NOT EXCITE DPIT 201 PIT 201 FACTORY WIRING MAIN ⅀ FM201 FAN DIFF. PRESSURE 4-20mA OUTPUT DO NOT EXCITE FLOW METER PURGE 4-20mA OUTPUTS 100-900 CC/MIN DRIP LEG DRIP LEG OPTIONAL DEWPOINT **4** N2 4-20mA OUTPUT DO NOT EXCITE ILTER CAL GASES CO2 MI201 MOISTURE H2 DV201 DV20 VENT ╢┢ Ł ┢ FACTORY WIRING × × OPTIONAL SPARE 4-20mA OUTPUT DO NOT EXCITE 4-20mA OUTPUTS DEW POINT XMITTER SPARE 4-20mA OUTPUT DO NOT EXCITE AT40⁻ RELAY 1 DIRIIP LEG AUX RELAY 2 CONTACT OUTPUTS OUTLINE **OPEN FRAME, LEFT DRIPLEG** NEMA 3R, LEFT DRIPLEG RELAY 3 CONFIGURATION CONFIGURATION RELAY 4 GGA PURITY 4-20mA OUTPUT DO NOT EXCITE 4-20mA OUTPUTS SPARE 4-20mA OUTPUT DO NOT EXCITE 78,0 in [1980 mm] 82.0 in [2085 mm] GGA NORMAL GGA TROUBLE r, CONTACT OUTPUTS GGA WARNING GGA LOW PURITY ALARM $[1055 \text{ mm}]^{41.5 \text{ in}}$ 36.0 in [915 mm] 36.0 in [915 mm] 29.0 in 740 in 30.5 in - [775 mm] - [س س FACTORY WIRING

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.



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. LM000442

CUSTOMER INTERFACE

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