



GigaGuard™ GG-CDM

Compact Data
Monitor Controller



SEMI-GAS® supplies SEMI S2 certified, production-ready ultra high purity gas source systems, distribution systems and control technology to leaders in the Semiconductor industry and related high-tech fields. Built to address the most rigorous precision and purity demands of these specialized applications, SEMI-GAS® solutions are globally renowned for their premier levels of safety, quality, and performance.

DESIGN STANDARDS

- ◆ Conforms to SEMI S2 Standards
- ◆ UL Labeled
- ◆ Multi Color LED Indicator Lights
- ◆ Programmable Inputs

FEATURES

- ◆ Safely Monitors Process Instrumentation of Ultra High Purity Gas Source Systems
- ◆ For Use with Semi Automatic Gas Cabinets and Gas Panels
- ◆ Continuously Monitors System Conditions for Alarms
- ◆ Monitors Analog and Digital Process Sensors
- ◆ Intuitive Operator Control
- ◆ 3" Display Keypad Allows for User Programmable Functionality and Setpoints
- ◆ 4 Configurable Analog Sensor Inputs
- ◆ 4 Configurable Digital Sensor Inputs
- ◆ High Performance Audible Alarm
- ◆ Green, Yellow, and Red LED Display Colors Indicate Monitor Status
- ◆ SPST Status Relay
- ◆ Remote Communications Capabilities Available
- ◆ Gas and Fire Detection Integration Available
- ◆ Z-Purge Class 1, Div 2 Upgrades Available

MATERIALS OF CONSTRUCTION

- ◆ Welded Cold Rolled Steel Enclosure
- ◆ Siemens S7-1200 Series CPU
- ◆ Internal 60 Watt Power Supply
- ◆ LCD Keypad Display



ORDERING INFORMATION

Contact your SEMI-GAS® sales rep or visit www.semi-gas.com

BY APPLIED ENERGY SYSTEMS

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Malvern, PA 19355

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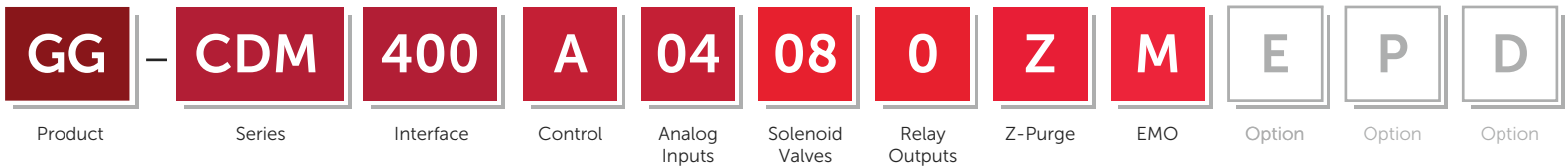
SAFETY FEATURES

- ◆ **Controller Z-Purge Kit** for systems installed in Class 1 Division 2 hazardous locations, as well as applications for silane and silane mixtures greater than 1.37% (required for silane)
- ◆ **Shutboy Software Upgrade** to accommodate Shutboy valve shutters for automatically closing the gas cylinder valve during emergency situations (optional)



ORDERING INFORMATION

Example: Fully Automatic 4.3" Color Touchscreen Compact Data Monitor with 4 Analog Inputs, 8 Solenoid Valves, Z-Purge, and EMO Button



Product

GG = GigaGuard™ Controller

Series

CDM = Compact Data Monitor

Interface

- 300** = 3.6" Monochrome Keypad * Available with 2 or 4 solenoid valves
- 400** = 4.3" Color Touchscreen * Available with 8 or 12 solenoid valves
- 900** = 9.0" Color Touchscreen * Available with 8 or 12 solenoid valves
- 1200** = 12.0" Color Touchscreen * Available with 8 or 12 solenoid valves

Control

- S** = Semi Automatic
- A** = Fully Automatic

*All GigaGuard™ Controllers can be customized to meet unique specifications. Contact your

Analog Inputs

- 00** = 0 Analog Inputs
- 04** = 4 Analog Inputs
- 08** = 8 Analog Inputs * For CDM 900 & 1200

Solenoid Valves

- 02** = 2 Solenoid Valves * For CDM 300
- 04** = 4 Solenoid Valves * For CDM 300
- 08** = 8 Solenoid Valves
- 12** = 12 Solenoid Valves

Relay Outputs

- 0** = 0 Relay Outputs
- 2** = 2 Relay Outputs
- 3** = 3 Relay Outputs
- 4** = 4 Relay Outputs

• Note: CDM 300 series available with 2 or 4 solenoid valves

Z-Purge

- Z** = Z-Purge
- O** = No Z-Purge

EMO Button

- M** = EMO Button
- O** = No EMO Button

Option

- E** = Ethernet
- P** = Pneumatic Pressure Switch
- D** = Differential Pressure Sensor

• Note: CDM 900 & 1200 series available with 8 analog inputs