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.

GigaGuard™ GG-CDM Compact Data Monitor Controller

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
180 Quaker Lane
Malvern, PA 19355

Phone: 610.647.8744
Fax: 610.640.4548
Email: sales@semi-gas.com

GIGAGUARD-CDM-121916-V1
GigaGuard™ GG-CDM
Compact Data Monitor Controller

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

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**Product**
- GG = GigaGuard™ Controller

**Series**
- CDM = Compact Data Monitor

**Interface**
- 300 = 3.6” Monochrome Keypad
- 400 = 4.3” Color Touchscreen
- 900 = 9.0” Color Touchscreen
- 1200 = 12.0” Color Touchscreen

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

**Analog Inputs**
- 00 = 0 Analog Inputs
- 04 = 4 Analog Inputs
- 08 = 8 Analog Inputs

**Solenoid Valves**
- 02 = 2 Solenoid Valves
- 04 = 4 Solenoid Valves
- 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

**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 300 series available with 2 or 4 solenoid valves
• Note: CDM 900 & 1200 series available with 8 analog inputs

*All GigaGuard™ Controllers can be customized to meet unique specifications. Contact your SEMI-GAS® sales rep or visit www.semi-gas.com