GigaGuard™ GG-GSM
Gas Safety Monitor

DESIGN STANDARDS
- Conforms to SEMI S2 Standards
- UL Labeled
- Intuitive Operator Control
- Programmable Inputs

FEATURES
- Safely Monitors Ultra High Purity Process Gases
- For Use with Semi Automatic and Fully Automatic (when auto purging is desired) Nanoturion™ Valve Manifold Boxes and Panels
- Ensures the Continuous Delivery of Each Process Gas from the Source to Multiple Points-of-Use
- Monitors Process Sensors, Both Analog and Digital
- Meets Uniform Fire Code Requirements
- Includes Local and Remote System Shutdown Capabilities
- Available in 4, 6, and 8 Stick Models (GSM-VS4 Pictured)
- Independently Operates Emergency Shutoff (ESO) Valves for Individual Line Shutdown
- Maintains Active Alarm Logs
- Displays Delivery Pressures
- Continuously Monitors System Conditions for Alarms
- Multiple Communications Protocols Available
- Gas and Fire Detection Integration Available
- Z-Purge Class 1, Div 2 Upgrades Available

MATERIALS OF CONSTRUCTION
- Welded 16 Ga Steel Enclosure
- Flip-Down Door
- SEMI Approved EMO Button
- Multi-Color LED Panel Status Lights
- Siemens S7-1200 Series PLC

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.

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

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GIGAGUARD-GG-GSM-082016-V1
GigaGuard™ GG-GSM
Gas Safety Monitor

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: Gas Safety Monitor with 4.3” Touch Screen

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**Product**

GG = GigaGuard™ Controller

**Series**

GSM = Gas Safety Monitor

**Control**

S = Semi Automatic
A = Fully Automatic

**Interface**

4 = 4.3” Touchscreen

**Analog Inputs**

00 = 0 Analog Inputs
04 = 4 Analog Inputs
08 = 8 Analog Inputs
12 = 12 Analog Inputs

**Solenoid Valves**

04 = 4 Solenoid Valves
08 = 8 Solenoid Valves
12 = 12 Solenoid Valves
20 = 20 Solenoid Valves
24 = 24 Solenoid Valves
36 = 36 Solenoid Valves

**Connector**

M = M12 Connector
A = AMP Connector

**Z-Purge**

Z = Z-Purge
O = No Z-Purge

**Option**

E = Ethernet

*All GigaGuard™ Controllers can be customized to meet unique specifications. Contact your SEMI-GAS® sales rep for details.*