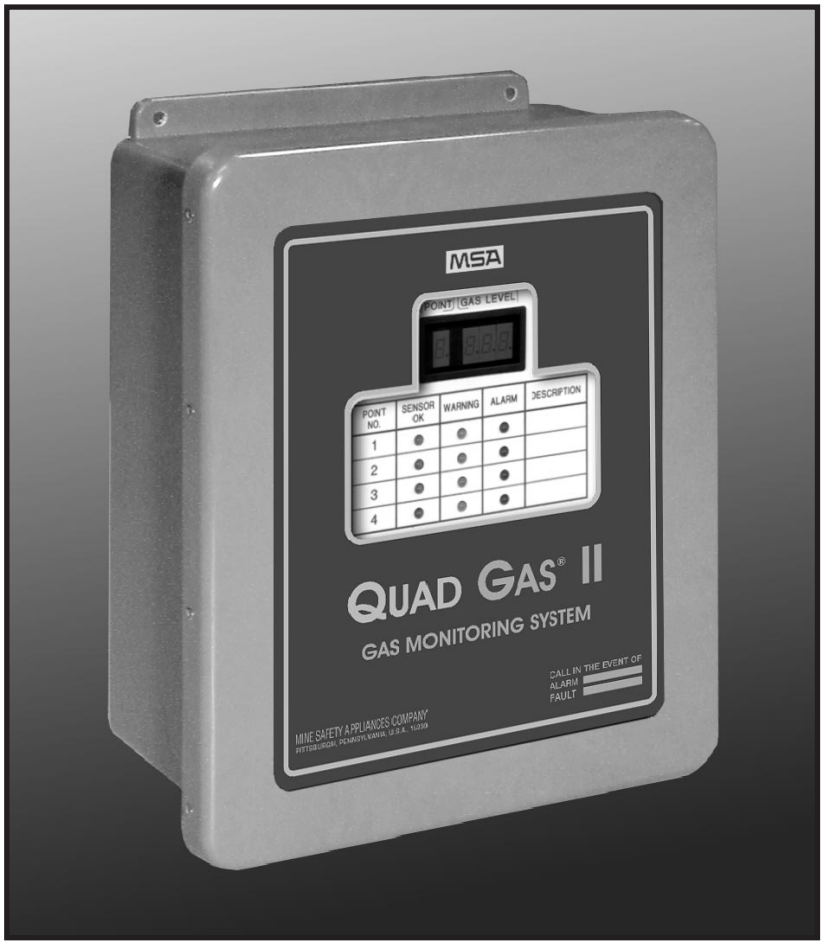
Product Information

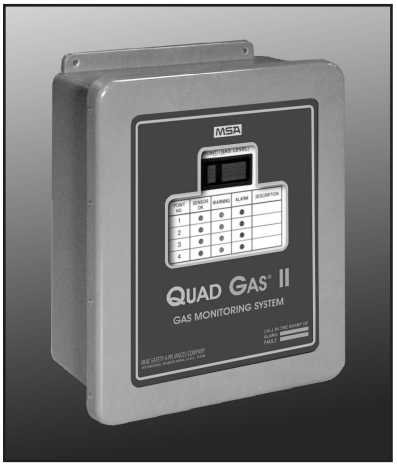


QUAD GAS® II

Gas Monitoring System

MSA's new generation of gas monitoring systems.

QUAD GAS® II
Gas Monitoring System



Operating Specifications

Power:

110/220 VAC 50/60 Hz @ 0.5 Amps and/or 24 VDC @ 55 Watts

Environmental:

Temperature:

Operating: -40 to 131°F (-40 to 55°C)
Storage: -40 to 131°F (-40 to 55°C)

Humidity: 15-95 RH, non-condensating

Physical:

Dimensions: 15 H x 12 W x 5.25" D (381 x 305 x 134mm)

Weight: 11 lbs (5kg)

Enclosure rating: NEMA 4X

Sensor Inputs:

Quantity: Up to four sensors

Analog: 4-20mA. conforming to ISA-550.1 as a Class 2U Transmitter, 2 or 3-wire

Operating range: 0-999 or 0-99.9

Alarms:

Warning, alarm (increasing or decreasing scale acting) and fault

Audible: 105 decibels @ 1foot (30cm)

Relays:

Quantity: 1 horn relay;1 fault relay

P/N 215345 & 216322: 4 warning relays (1 per sensor), 1 common alarm relay

P/N 215346 & 216323: 4 warning relays, (1 per sensor) 4 alarm relays (1 per sensor)

Contact rating: Form C (SPDT) 10 Amps @ 125 VAC resistive

Time delays: 0 to 60 minutes alarm & warning OFF delay

Approvals:

CSA NRTL/C

The Quad Gas II Gas Monitoring System is a central monitoring station linked with up to four (4) remote gas sensors/ transmitters. The system can utilitize any combination of sensors for monitoring toxic, oxygen or combustible gases.

Applications for the Quad Gas II Gas Monitoring System include: water and waste water treatment plants, petroleum refining and distribution facilities, chemical processing plants, pulp and paper mills, and enclosed garages or maintenance facilities.

The system is housed in a rugged, NEMA 4X enclosure for those wet and dirty installation sites. Its large four-digit LED display sequentially shows the gas concentration as well as the active channel number. In the event of a detected gas build-up, there are four warning relays (one for each sensor), that can be connected to any equipment to alert personnel and provide ventilation. In addition, an alarm, horn and fault relay are standard on every unit. The Quad Gas II Gas Monitoring System is also available with an additional four discrete alarm relays for added versatility.

Installation, wiring and configuring the unit is easy. The label inside the unit clearly shows all installation and wiring information. No special tools are necessary. All warning, alarm set-points as well as full scale range of the sensor are set via the keypad. Password protection helps prevent tampering or accidental changing of the configuration. All calibration is done at the remote sensor site.

Features

- Up to four industry standard 4 to 20 mA sensors can be connected.
- Up to 60 minutes of warning or alarm OFF delays can be configured to prevent false alarms or rapid equipment cycling.
- Relays can be configured in a normally energized state for fail safe operation.
- DC battery connection allows battery backup operation.
- Down scale acting alarms for oxygen deficiency monitoring.

Ordering Information

Quad Gas II Gas Monitoring System with discrete warning relays, common alarm relay,

115V, 50/60 Hz	p/n 215345
220V, 50/60 Hz	p/n 216322

Quad Gas II Gas Monitoring System with discrete warning and alarm relays,

115V, 50/60 Hz	p/n 215346
220V, 50/60 Hz	p/n 216323

Represented By:

Note: This Data Sheet contains only a general description of the MSA Quad Gas II Gas Monitoring System. While uses and performance capabilities are described, under no circumstances should the product be used except by qualified, trained personnel, and not until the instructions, labels or other literature accompanying the product have been carefully read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning this product.

MSA
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In Canada, 1-800-267-0672 or FAX (416) 663-5908
Elsewhere, MSA International, (412) 967-3228
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