

## GASGUARD CO

## CARBON MONOXIDE SENSOR



### Key Features

- CO specific electrochemical sensor technology. No false alarms
- 5 years cell life average in most applications
- Industry standard linear 4/20 mA output
- Corrosion, weather and chemical resistant polycarbonate sensor enclosure
- Intelligent-design enclosure temperature control for improved cell life
- Sensor designed to adapt to any harsh environment from -20°F to +120°F
- Accurately monitor OSHA's PEL, STEL and IDLH setpoints for personnel protection
- Real-time continuous monitoring for early warning.
- Detectable range: 0-200 ppm

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Long cell life. Simple operation.

And rugged enough to survive the harshest industrial environments.

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The GasGuard CO utilizes proven electrochemical sensor technology for fast and accurate leak detection. The standard detection range of the GasGuard CO provides real-time continuous monitoring of carbon monoxide concentrations accurately down to 10 ppm, with no false alarms.

Every GasGuard CO sensor comes equipped with an intelligent internal temperature control designed to perform in the harshest of areas. The controlled environment provides optimum moisture control for extended cell life. The high-quality injection-molded polycarbonate enclosure offers excellent chemical corrosion protection and high impact resistance.

The GasGuard CO provides an industry standard linear 4/20 mA output signal compatible with most gas detection systems and PLCs. The output signal is not affected by drastic temperature variations such as washdowns, defrost cycles, etc. Expect an average of 5 years cell life for most applications.

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### Applications

- Food Processing areas
- Warehouses
- Air Quality Monitoring
- Tank Rooms
- Ventilation Ducts
- Breweries
- Parking Garages
- Modified Atmosphere Packaging
- Bottling Plants
- Chemical Manufacturing

### Benefits

- Low cost
- Simple operation
- Rugged and reliable

# GASGUARD CO

## Easy ordering

The standard **GasGuard CO** sensor is designed to work anywhere, and at a lower base-model price than most of our competition. With only one sensor for any application, designing, ordering and maintaining your carbon monoxide monitoring system is less hassle.

## Designed "Food Industry" tough

Developed for chemical washdowns of processing areas, the **GasGuard CO** is prepared to survive in just about any harsh industrial condition. Every circuit board is sealed forever in potting compound, protecting electronic components and copper tracing from corrosion. A specially vented chemical-resistant polycarbonate enclosure protects the sensor from accidental damage, weather and even direct hose-hits from clean-up crews.

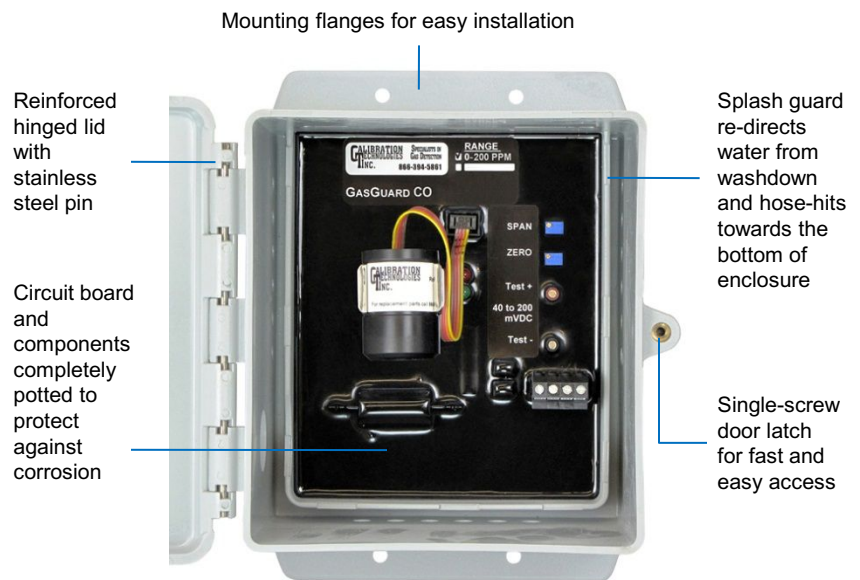
## Ordering Information

The **GasGuard CO** is delivered calibrated and ready to install. Use the model numbers below to order.

**GG-CO-200** (standard)

**GG-CO-200-ST** (stainless steel enclosure)

**GG-CO-RC** (replacement cell)



## SPECIFICATIONS

*DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE*

### DETECTION PRINCIPLE:

Electrochemical

### DETECTION METHOD:

Diffusion

### GASES:

Carbon Monoxide (CO)

*Other gases available. Call for more information*

### RANGES:

0/200 ppm (standard)

*Custom ranges available. Call for more information*

### OUTPUT SIGNAL:

Linear 4/20 mA (max input impedance: 700 Ohms)

### POWER SUPPLY:

+24 VDC, 350 mA

### RESPONSE TIME:

T<sub>50</sub> = less than 10 seconds

T<sub>90</sub> = less than 30 seconds

### ACCURACY:

+/- 5% of value, but dependant on calibration gas accuracy and time since last calibration

### ZERO DRIFT:

Less than 0.1% of full-scale per month, non-cumulative

### SPAN DRIFT:

Generally less than 2% per month

### LINEARITY:

+/- 0.5% of full-scale

### REPEATABILITY:

+/- 1% of full-scale

### WIRING CONNECTIONS:

3 conductor, shielded, stranded, 20 AWG cable (General Cable C2525A or equivalent) up to 1500 ft.

### ENCLOSURE:

Injection-molded NEMA 4X polycarbonate Hinged lid. For non-classified areas.

### TEMPERATURE RANGE:

-20°F to +120°F (-28°C to +49°C)

### HUMIDITY RANGE:

5% to 100% condensing

### DIMENSIONS:

7.5" high x 6.5" wide x 3.75" deep

### WEIGHT:

2 lbs