

# GG-CO

## CARBON MONOXIDE SENSOR



### Key Features

- CO specific electrochemical sensor technology. No false alarms
- 5-year 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
- Real-time continuous monitoring for early warning.
- Detection range of 0-200 ppm Carbon Monoxide

Long cell life. Simple operation.  
Rugged enough to survive the harshest industrial environments.

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

Each GG-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 GG-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 of cell life for most applications.

### 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



### Easy ordering

The standard **GG-CO** sensor is designed to work anywhere, and at a lower base-model price than most competing models. With only one sensor for any application; designing, ordering, and maintaining your carbon monoxide monitoring system is simple.

### Designed "Food Industry" tough

Developed for chemical washdowns of processing areas, the **GG-CO** is prepared to survive in just about any harsh industrial condition. Each 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.

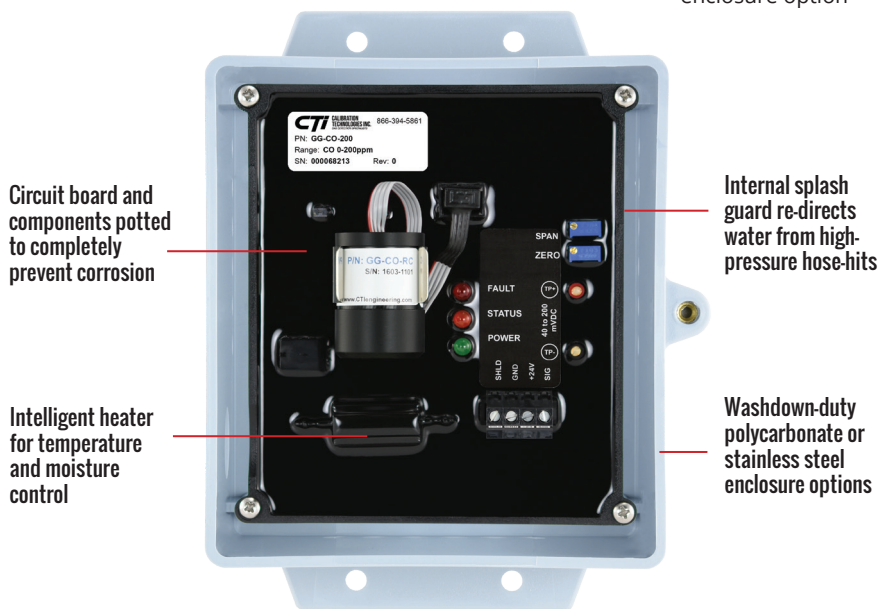
### Ordering Information

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

- Order #:** **GG-CO-200** (standard)  
**GG-CO-200-ST** (stainless enclosure)  
**GG-CO-RC** (replacement cell)  
**GG-CO-200-DM** (duct mount)



Stainless steel enclosure option



## SPECIFICATIONS

Due to ongoing research and product improvement, specifications are subject to change

#### Input Power:

+24 VDC, 350 mA

#### Detection Principle:

Electrochemical

#### Detection Method:

Diffusion

#### Gases:

Carbon Monoxide (CO)

#### Ranges:

0/200ppm (standard)  
 Custom ranges available. Call for more information

#### Output Signal:

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

#### Linearity:

+/- .5% of full-scale

#### Repeatability:

+/- 1% of full-scale

#### Response Time:

T50 = less than 10 seconds  
 T90 = less than 20 seconds

#### Accuracy:

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

#### Zero Drift:

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

#### Span Drift:

Application dependent, but generally less than 2% per month

#### Temperature Range:

-20°F to +120°F (-28°C to +49°C)

#### Humidity Range:

5% to 100% condensing

#### Wiring Connections:

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

#### Terminal Block Plugs: (Field Wiring)

12-26 AWG, torque 4 lbs-in

#### Enclosure:

NEMA 3RX injection-molded, washdown-duty polycarbonate sensor housing with hinged lid and captive screw. For non-classified areas. Optional 316 18 GA, NEMA 3RX washdown-duty stainless steel housing with hinged lid and captive screw. For non-classified areas

#### Dimensions:

7.5" high x 6.5" wide x 3.75" deep

#### Weight:

3 lbs

#### Certification:

ETL listed to UL standard 61010-1, and CSA standard C22.2 No. 61010-1-12

#### Warranty:

2 years (including sensor element)

