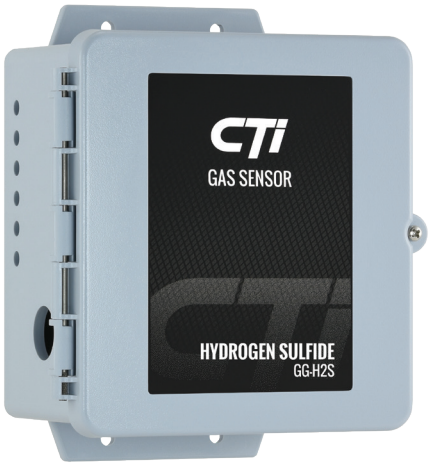
GG-H_2S HYDROGEN SULFIDE SENSOR



Key Features

- H2S specific electrochemical sensor technology. Absolutely no false alarms
- Industry standard linear 4/20 mA output
- Corrosion, weather, and chemical resistant polycarbonate sensor enclosure
- Intelligent-design enclosure temperature control for improved cell life
- Temperature compensated
- Sensor designed to adapt to any harsh environment from -40°F to +120°F
- Accurately monitor OSHA's PEL and STEL setpoints for personnel protection
- Real-time continuous monitoring for early warning
- Detection range of 0-50ppm H2S

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

The GG-H2S utilizes proven electro-chemical sensor technology for fast and accurate leak detection. The standard detection range of the GG-H2S provides real-time continuous monitoring of carbon monoxide concentrations accurately down to 10 ppm, with no false alarms.

Every GG-H2S 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-H2S 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 and humidity variations during wash-down. Expect an average of 4-years of cell life for most applications.

Applications

- Sewer Gas Monitoring
- Paper Mills
- Petroleum Refineries
- Tanneries

Benefits

- Low cost
- Simple operation
- Rugged and reliable

CALIBRATION TECHNOLOGIES INC.
GAS DETECTION SPECIALISTS

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Easy ordering

The standard **GG-H2S** sensor is designed to work anywhere, and at a lower price than most competing models. With only one sensor for any application; designing, ordering, and maintaining your hydrogen sulfide monitoring system is simple.

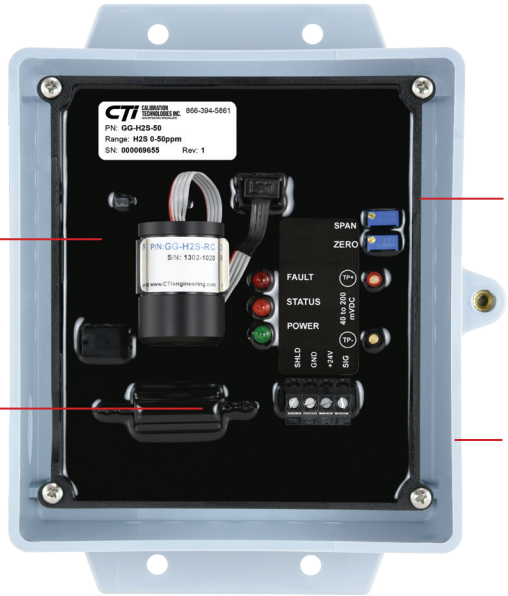
Developed for corrosive environments, the **GG-H2S** is prepared to survive in almost any harsh industrial condition. Every circuit board is sealed forever in potting compound, protecting electronic components and copper tracing from corrosion. A specially vented chemical-resistant polycarbonate enclosure protects the sensor from accidental damage, weather, and direct hose-hits from clean-up crews.

Ordering Information

The **GG-H2S** is delivered calibrated and ready to install. Use the model numbers below to order.

Order #:
- GG-H2S-50 (standard)
- GG-H2S-50-ST (stainless enclosure)
- GG-H2S-50-DM (duct mount)
- GG-H2S-RC (replacement cell)

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:
Hydrogen Sulfide (H2S)

Ranges:
0/50ppm

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

Linearity:
+/- 0.5% of full-scale

Repeatability:
+/- 1% of full-scale

Response Time:
T50 = less than 10 seconds
T90 = 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:
Application dependant, but generally less than 2% per month

Temperature Range:
-40°F to +120°F (-40°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)