



## GASLAB FIXED COMBUSTIBLE HYDROGEN SULFIDE DETECTOR (0-1,000PPM H<sub>2</sub>S)

### Your Trusted Digital Gas Safety Sensing Solution

The Gaslab Fixed Combustible Hydrogen Sulfide Detector is designed for continuous monitoring of toxic gases and vapors in hazardous areas of zones 1 and 2. This detector is an explosion-proof fixed H<sub>2</sub>S gas detector, which measures between 0 - 1,000ppm.

#### Features

- Modular industrial design, protection class IP66
- Ex db: Ignition protection for zone 1 and 2
- Ex nR: Ignition protection for zone 2
- Fast and Precise Gas Measurements
- Compatible across a broad range of BMS
- Device can be used independent of control systems
- Individual configuration options available
- Robust against dust, humidity, and high/low temperatures

#### Options

- **MSC2-C-53432320A** | Gaslab Fixed Multi-Gas Detector

### Hydrogen Sulfide



**Beverage Bottling  
Systems**



**Petrochemical  
Industry**



**Biogas  
Plant**



**Industrial  
Manufacturing**



**Waste Disposal**



**& More...**

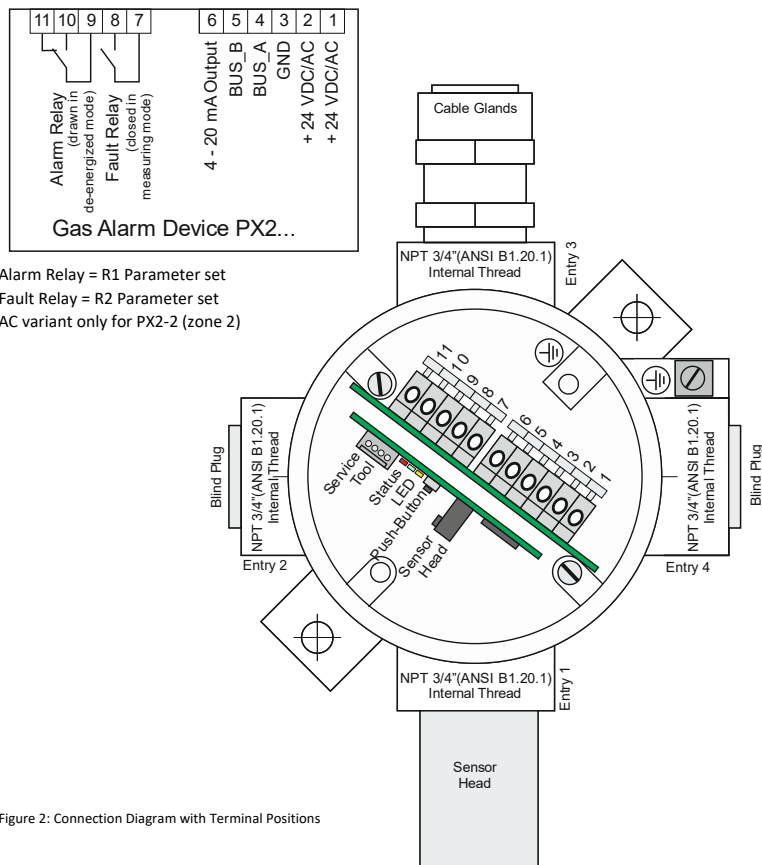
# TECHNICAL DATA

## GASLAB FIXED COMBUSTIBLE HYDROGEN SULFIDE (H<sub>2</sub>S) DETECTOR

<b>Measurement Range</b>	0-1,000ppm
<b>Gas Type</b>	Hydrogen Sulfide
<b>Admissible Range for Calibration Gain Test Gas</b>	30-90% of test gas
<b>Temperature Range</b>	-30 to 50°C
<b>Storage Temperature Range</b>	0-20°C
<b>Display Resolution</b>	0.1ppm
<b>Humidity Range</b>	15-90 %RH
<b>Pressure Range</b>	80-120 kPa
<b>Reaction Time</b>	≤ 10 sec
<b>Run-in time</b>	24 h
<b>Flow Rate</b>	500 ml/min
<b>Warm-up Time</b>	300 Sec.
<b>Response Time</b>	≤ 200 Sec.
<b>Life-time</b>	>5 Years



## 5.2 Connection diagram



Alarm Relay = R1 Parameter set  
 Fault Relay = R2 Parameter set  
 AC variant only for PX2-2 (zone 2)



Figure 2: Connection Diagram with Terminal Positions

**Looking for Additional Gas Ranges?  
 We offer the following:**

- 0-300 ppm
- 0-1,000ppm
- 0-550ppm
- 0-5,000ppm

**Contact Us**

**Call** 1.877.678.4259  
**Email** Sales@CO2Meter.com | Support@CO2Meter.com  
**Web** CO2Meter.com



## Conformities

- ATEX and IECEx certificates MSR-Electronic GmbH for electrical Ex protection
- SIL2 safety functions 4–20 mA, RS-485 and relay
- PX2-1 for zone 1 (and also suitable for zone 2):
- Type “Ex db” protection flame-proof enclosure
- PX2-2 for zone 2
- Type “Ex nR” protection
- Enclosure: Additional FM and CSA certificates for Class I, Div. 1

