



# Detcon UniTox™

**ISO 9001**  
Certified

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## Hydrogen Sulfide Sensor

Electrochemical Fuel Cell

# Model DM-200-H2S

(order by part number 962-242400-100)

## SPECIFICATIONS

### Sensor Type

Electrochemical Fuel Cell

### Measurement Range

0-100 ppm Hydrogen Sulfide  
Other ranges available

### Repeatability

±2% FS

### Response/Clearing Time

T90 ≤30 seconds

### Span Drift

<2% signal loss per month

### Operating Temperature Range

Sensor: -40°C to +50°C; -40°F to +122°F  
Transmitter: -20°C to +55°C; -4°F to +131°F

### Operating Humidity Range

15-90% RH non-condensing

### Output

Linear 4-20 mA DC

### Input Voltage

11.5-30 VDC  
2 wire loop-powered

### Power Consumption

<1/2 watts @ 24 VDC

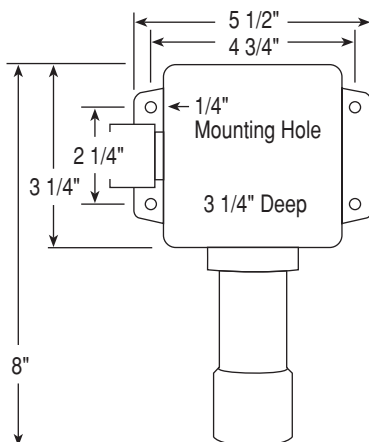
### Electrical Classification

NEMA 4X Class 1, Div. 1, Groups A, B, C, D

### Sensor Life/Warranty

Sensor: 2 year warranty  
Transmitter: 2 year warranty

## DIMENSIONS



## Universal Transmitter Module with Intelligent Sensor Module

Standard 4-20 mA Output

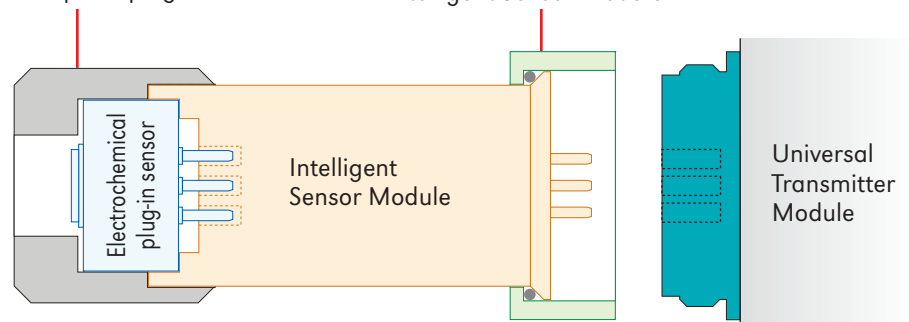
## DESCRIPTION

Detcon Model DM-200-H2S sensor is designed to detect and monitor H<sub>2</sub>S in air over the range 0-100 ppm. The sensor assembly consists of an Intelligent Sensor Module with electrochemical sensor, and a Universal Transmitter Module packaged in a molded fiberglass enclosure. Its universal design allows complete interchangeability of any Intelligent Sensor Module resulting in reduced maintenance costs.

- ☑ Intrinsically Safe design
- ☑ NEMA 4X weatherproof enclosure
- ☑ CSA/NRTL (US OSHA Certified); Class I, Div. 1, Groups A, B, C, & D
- ☑ 2 wire loop powered
- ☑ Plug and Play field exchangeable Intelligent Sensor Module
- ☑ Universal Transmitter Module adapts to any Intelligent Sensor Module
- ☑ Modules for up to 40 different gas types available
- ☑ Field replaceable electrochemical plug-in sensor
- ☑ Non-Intrusive and simple menu interface
- ☑ Built-in system diagnostics

Removable rain cover  
to replace plug-in sensor

Twist-off collar to exchange  
Intelligent Sensor Module



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