



## Model TA-2102 *smarter* Hydrogen Sulfide H<sub>2</sub>S Gas Detector

### ➤ Features

**no false alarms** patented electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +50°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Loop Powered - Intrinsically Safe option

Optional enclosures - 316 stainless steel, Nema 4x polycarbonate

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2210

#### Options

- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

### ➤ Specifications

|                           |                                     |
|---------------------------|-------------------------------------|
| Detection Principle:      | Electrochemical - Amperometric      |
| Detection Method:         | Diffusion or Sample Drawing         |
| Detection Range:          | 0 - 50 ppm (parts-per-million)      |
| Calibration Method:       | Non-intrusive, magnetic tool        |
| Operating Voltage:        | 10 - 30 VDC, 24 VDC nominal         |
| Power Requirements:       | 0.48 W @ 24 VDC                     |
| Electrical Connections:   | Power (24 VDC) and Signal (4-20mA)  |
| Cable Requirements:       | 2-wires, shielded                   |
| Connection Type:          | 2-wire, loop powered                |
| Resolution:               | 1 ppm minimum detection level       |
| Zero Drift:               | less than 1 ppm                     |
| Temperature Range:        | -40°C to +50°C                      |
| Humidity Range:           | 10 - 95% RH, non-condensing         |
| Response Time:            | <45 sec. to 90% of final reading    |
| Recovery Time:            | <30 sec. to 90% recovery            |
| Sensor Service Life:      | >3 years typical; normal conditions |
| Electronic Enclosure:     | Ex-Proof, aluminum or 316 SS        |
| Enclosure Certifications: | CSA/UL/FM Class I GR B,C,D          |

### ➤ Applications

- Oil & Gas
- Chemical Processing
- Pulp & Paper Mills
- Sewage Treatment
- Leather Tanning
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons  
Gas Detection **no false alarms** Fire Detection

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