

MIL-RAM TECHNOLOGY

no false alarms

Since 1990

ISO 9001:2008 Registered

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Model TA-2100 *smarter* Hydrogen Sulfide H₂S 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 alarm 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

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

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

Part No. 01-2610

Options

- Modbus RTU
- Relay Module
- 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: | 12 - 30 VDC, 24 VDC nominal |
| Power Requirements: | 1.08 W @ 24 VDC |
| Electrical Connections: | Power (24 VDC) and Signal (4-20mA) |
| Cable Requirements: | 3 or 4 wires, shielded |
| Optional Connections: | RS-485 Half-duplex (Modbus RTU) |
| 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, alum. or 316 SS, Nema 4X |
| Certifications: | UL, Class I, Division 1, 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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