

MIL-RAM TECHNOLOGY

no false alarms

Since 1990

ISO 9001:2008 Registered

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Model TA-2102 *smarter* Hydrogen (Trace) 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 -20°C to +40°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. 01-2268

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 - 1% Volume (0-10,000 ppm) |
| 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: | 0.1 %Volume minimum detection level |
| Zero Drift: | less than 0.05 %Volume |
| Temperature Range: | -20°C to +40°C |
| Humidity Range: | 15 -90% RH, non-condensing |
| Response Time: | <60 sec. to 90% of final reading |
| Recovery Time: | <60 sec. to 90% recovery |
| Sensor Service Life: | >2 years typical; normal conditions |
| Electronic Enclosure: | Ex-Proof, aluminum or 316 SS |
| Enclosure Certifications: | CSA/UL/FM Class I GR B,C,D |

➤ Applications

Chemical Processing

Plastics

Oil Refining

Ammonia Production

Fuel Cells

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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