



Model TA-2100 *smarter* Ethylene Oxide Gas Detector

➤ Features

Part No. 01-26203

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

- 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 +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

➤ Specifications

| | |
|-------------------------|--|
| Detection Principle: | Electrochemical - Amperometric |
| Detection Method: | Diffusion or Sample Drawing |
| Detection Range: | 0.0 - 20.0 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: | 0.1 ppm minimum detection level |
| Zero Drift: | less than 0.1 ppm |
| Temperature Range: | -20°C to +50°C |
| Humidity Range: | 15 -90% RH, non-condensing |
| Response Time: | <120sec. to 90% of final reading |
| Recovery Time: | <90sec. to 90% recovery |
| Sensor Service Life: | >2 years typical; normal conditions |
| Electronic Enclosure: | Ex-Proof, alum. or 316 SS, Nema 4X |
| Certifications: | CSA, Class I GR B,C,D haz. loc. avail. |

➤ Applications

- Chemical Processing
- Sterilizing Agent
- Fumigation
- Ethylene Glycol Production
- 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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