



Model TA-2102 *smarter* Ammonia NH₃ 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

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. 01-2211

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 - 200 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 5 ppm
Temperature Range:	-40°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<2 min. 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

- Water Treatment
- Wastewater Treatment
- Refrigeration
- Chemical Processing
- Pulp & Paper
- Food & Beverage
- Laboratories
- Metal Treatment

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

Tel: 510-656-2001 • Fax: 510-656-2004 • Email: sls@mil-ram.com • Fremont, CA