

# MIL-RAM TECHNOLOGY

no false alarms

Since 1990

ISO 9001:2008 Registered

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## Model TA-2102 *smarter* Fixed Gas Detectors

Sample Draw Configuration  
Toxic Gases & Oxygen  
Hundreds of Gases & Vapors

### ➤ Features

- no false alarms** utilizing Mil-Ram's ultra-stable Electrochemical Sensors
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature/humidity over specified range - stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - diagnostic messages
- 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
- Heavy-duty, chemically resistant pump - Advanced diagnostics

### Options

- Wireless Module
- 110/220 Vac
- Calibration Kits
- 316 SS Enclosure

### ➤ Specifications - Typical (see specific data sheet)

Specifications subject to change without notice due to continuing program of product innovation. See specific data sheets for more information.

Detection Principle:	Electrochemical Sensor Technology - ultra stable
Detection Method:	Sample Drawing with Integral Pump
Detection Range:	Low ppm to % volume (depends on gas type - see specific data sheet)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	24 VDC nominal
Power Requirements:	1 W @ 24 VDC (see specific data sheet)
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	2-wires, shielded (gas detector); 2-wires (sample pump)
Connection Type:	2-wire, loop powered gas detector
Resolution:	0.01 ppm/0.1 ppm/1 ppm/0.1% volume (depends on gas type)
Zero Drift:	less than 1% of full-scale typical
Temperature Range:	-25°C to +50°C (depends on gas type - see specific data sheet)
Humidity Range:	0 - 95% RH, non-condensing (see specific data sheet)
Response Time:	<30 sec. to 90% of final reading (see specific data sheet)
Recovery Time:	<30 sec. to 90% recovery (see specific data sheet)
Sensor Service Life:	> 2 years typical, depends on sensor type and conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	UL/CSA Class I, Groups B, C, D

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

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