

# MIL-RAM TECHNOLOGY

no false alarms

Since 1990

ISO 9001:2008 Registered

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## Model TA-2100 *smarter*

### R-134a (HFC-134a) Refrigerant Gas Detector

#### ➤ Features

- no false alarms* infrared (NDIR) 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 +55°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
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26191

#### 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:	Infrared (NDIR)
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 1000 ppm or 0-2000 ppm
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 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% of full scale
Temperature Range:	-20°C to +65°C
Humidity Range:	0 - 95% RH, non-condensing
Response Time:	<10 sec. to 50% of full-scale
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>5 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

- Refrigeration
- Cleaning Solvents
- Pharmaceuticals
- Polymer Foam
- Aerosol Propellant
- 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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