

Mil-Ram Technology manufactures Gas and Fire detection instruments, fixed systems, wireless telemetry systems, gas detection transmitters and unique chemically selective, patented gas sensors featuring no false alarms. Mil-Ram was founded in 1990, and has been on an accelerated growth path ever since, reflecting the positive experience of our fast growing list of users of the Tox-Array sensors, instruments and systems. Mil-Ram's wide variety of gas detection products are designed to monitor and detect hazardous gases; Toxic, Combustible, VOC and Oxygen for safety, environmental protection and process controls. Our instruments detect hundreds of different gases and vapors.



Mil-RamTA-2100 Smarter Gas Detectors



Mil-Ram's New RS 485/4-20mA 3 or 4-Wire smarter Transmitter for Toxic, Oxygen and LEL Combustible Gas Detection. Hundreds of different gases utilizing several sensor technologies; electrochemical, catalytic, infrared, photo-ionization, solid-state and more. Now available suitable for use in SIL 2 environments.

Features:

- No false alarms Mil-Ram patented sensor technology
- Self-Calibration adjusts span monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25 deg C to +50 deg 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 days since last gas calibration

Specifications:

- Optional Relay Module in same enclosure with low, mid, high and fault relays; rated 10 Amps. Gas alarm relays can be programmed latching or non-latching, energized or non-energized, time delays
- Operating Voltage: 12 or 15-30VDC (AC available). Output: 4-20mA, linear
- Can be used with Mil-Ram's Wireless Telemetry System
- Optional Modbus RTU provides multi-drop installations
- Available suitable for use in SIL 2 environments
- Continuous advanced Diagnostics

Sensors Patented By Mil-Ram Feature:

- No false alarms electrochemical sensor technology
- No zero drift with changes in temperature/humidity/pressure
- No LEL, methane, hydrocarbons, CO, CO₂, VOCs gas interference
- Do not saturate with occasional exposure to high gas levels
- Do not go to sleep after long periods in gas-free air
- Chemically selective based on unique electrolyte chemistry
- Long life: >3 years typical under normal operating conditions



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