

MIL-RAM TECHNOLOGY

Since 1990

Gas Detector with Graphics Display

Model TA-2100 Features

- ◆ **no false alarms** Mil-Ram **patented** sensor technology
- ◆ Toxic/LEL/VOC/Oxygen: hundreds of different gases and vapors
- ◆ Self calibration adjusts span monthly based on sensor life curve - reduces calibration frequency and cost of ownership
- ◆ Auto gas calibration, non-intrusive, magnetic switches
- ◆ Relay Module provides low, mid, high and fault relays, rated 10A.
- ◆ Large **Graphic LCD** Display provides data, bar graph, instructions and diagnostics. Eliminates short-hand, coded messages
- ◆ Offsite sensor calibration to replace sensors in the field w/o recalibration
- ◆ Peak Value, 15-min. TWA, Programmable **Calibration Reminder**
- ◆ Remaining sensor life and Replace sensor indication
- ◆ Standard Output: 4-20mA, linear. RS-485 Modbus RTU option
- ◆ Suitable for use in **SIL2** environments
- ◆ Operating Voltage - 12-30 VDC, 24 VDC nominal
- ◆ Class I GR B,C,D Copper-free Aluminum or 316 Stainless Steel
- ◆ Continuous Diagnostics to meet SIL2 compliance



Hydrocarbon/LEL
Infrared and Catalytic
Sensors



VOC
PID
Sensors



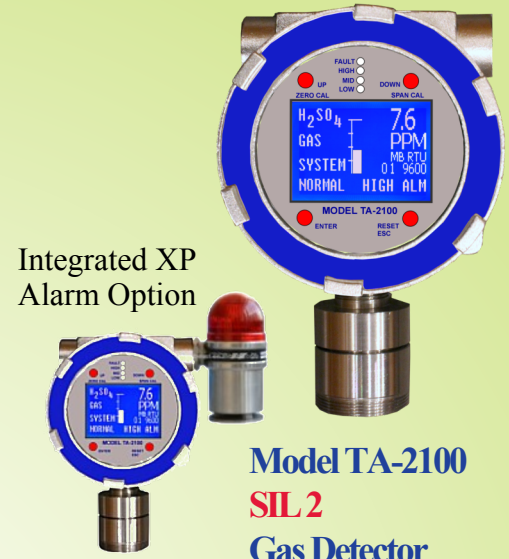
MOS
Solid-State
Sensors



Toxic/Oxygen
Electrochemical
Sensors

Sensors **patented** by Mil-Ram

- ◆ **no false alarms** Mil-Ram 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



Integrated XP
Alarm Option

Model TA-2100
SIL 2
Gas Detector

Toxic-Combustible-Oxygen
Hundreds of Gases and Vapors

Typical Applications

- ◆ Oil and Gas Exploration/Refining
- ◆ Chemicals & Plastics
- ◆ Water & Wastewater Treatment
- ◆ Semiconductor & Electronics
- ◆ Laboratories & Universities
- ◆ Food Processing & Refrigeration
- ◆ Pharmaceuticals
- ◆ Mud Logging Drilling/Exploration
- ◆ Pulp and Paper Mills
- ◆ Steel Mills
- ◆ Any Industrial Process that generates Toxic and/or LEL Gas



MIL-RAMECHNOLOGYNOC.
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MIL-RAM

Patented Technology
no false alarms

Gas Detection Systems
ISO 9001:2008 Registered