

# MIL-RAM TECHNOLOGY

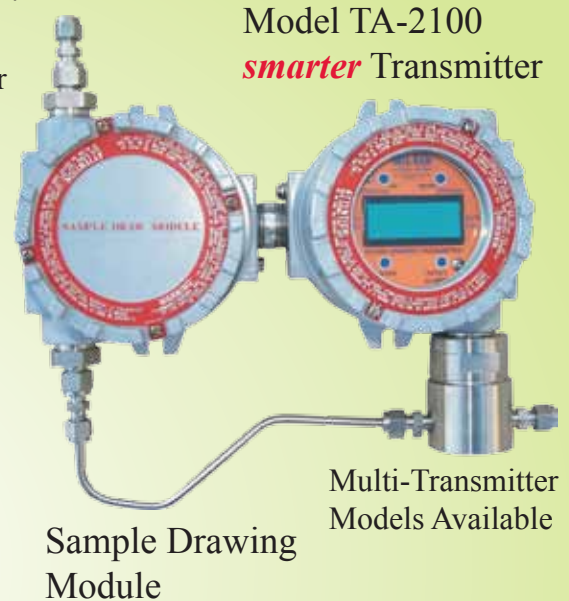
Since 1990

## Sample Drawing Module

### Continuous Sample Extraction from Remote Locations

#### Features

- ◆ Provides sample extraction capability to any Mil-Ram **smarter** Transmitter. Toxic/LEL/VOC/Oxygen: hundreds of different gases and vapors.
- ◆ Use with Model TA-2100 RS485/4-20mA 3 or 4-wire **smarter** Transmitter or Model TA-2102 two wire, loop powered **smarter** Transmitter.
- ◆ Heavy-Duty, chemically resistant sample pump. Suitable for many harsh industrial environments. Long, dependable and stable service life.
- ◆ Stainless steel (316) fittings for long service under harsh conditions.
- ◆ Electronic flow fault diagnostics acknowledged by **smarter** Transmitter.
- ◆ Operates on 24 VDC **smarter** Transmitter power connection. Low power consumption. 110/220 VAC version available.
- ◆ Enclosure: Explosion proof Class I GR B,C,D or Nema 4X fiberglass.
- ◆ Sample Drawing **smarter** Transmitters available with **Wireless** telemetry option. Modbus RTU interface available on Model TA-2100.



LEL  
Catalytic  
Sensor



Model TA-2100  
**smarter** Transmitters

Toxic/Oxygen  
Electrochemical  
Sensor



Model TA-2102  
**smarter** Transmitters

LEL  
Infrared  
Sensor



VOC  
PID  
Sensor



Toxic/Oxygen  
Electrochemical  
Sensor



CO<sub>2</sub>  
Infrared  
Sensor



#### 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, CO<sub>2</sub>, 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



MIL-RAM TECHNOLOGY, INC.  
REGISTERED TO ISO 9001:2008  
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**MIL-RAM**  
Patented Technology  
**no false alarms**  
Gas Detection Systems  
ISO 9001:2008 Registered

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