

no false alarms Gas Detection Systems

NEW and *smarter* 3 or 4- Wire FEATURES:

- *no false alarms* Mil-Ram patented sensor technology
- Labor-free auto self calibration adjusts span monthly based on life curve for sensor – reduces calibration frequency
- Auto gas calibration in 2 minutes, non-intrusive hands-free, magnetic switches
- Remaining sensor life and replace sensor indicator
- Four 12-15 Amp time delay relays option in the same enclosure, latching/non-latching, energized/non-energized
- RS-485 Modbus RTU option – up to 247 points on a pair of twisted wires
- Can be used with Mil-Ram's Wireless Telemetry System
- Backlit 12 x 2 LCD display
- Off-site sensor calibration to replace sensors in the field without recalibration
- Rapid warm-up – ready to calibrate minutes after power is applied, no bias voltage required during storage
- Diagnostics

SENSORS PATENTED BY MIL-RAM:

- *no false alarms*
- No zero drift
- No LEL, methane, hydrocarbons, CO, CO₂ gas interference
- Chemically specific
- No sensor warm-up time
- No additional electrolyte required for 3-5 year maintenance free life of each sensor charge
- 2 minute gas calibration
- Do not saturate with occasional exposure to high gas concentrations
- Do not go to sleep
- Not sensitive to changes in temperature, humidity or pressure
- Response time is less than 45 seconds to 90% of full reading
- Recovery to 90% in less than 30 seconds
- Do not react with air
- Zero and span are not interactive

Sensors (Typical):

Detection Principle:	Electrochemical
Detection Method:	Diffusion (Sample-Draw Available, Nema 4X)
Detection Range:	0.00-1.00 to 0-5000 ppm
Output Signal:	Linear
Resolution:	0.01/0.1/1 ppm
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Humidity Range:	5%-95% RH, non-condensing - continuous 0%-99% RH, non-condensing - intermittent
Temperature Range:	-40°C to +50°C -40°F to +122°F
Pressure Range:	Atmospheric ±15%
Zero Drift:	<0.1 ppm
Position Sensitivity:	Install vertically
Storage Life:	>18 months in container
Life Expectancy:	>3 years in clean air - factory rechargeable many times

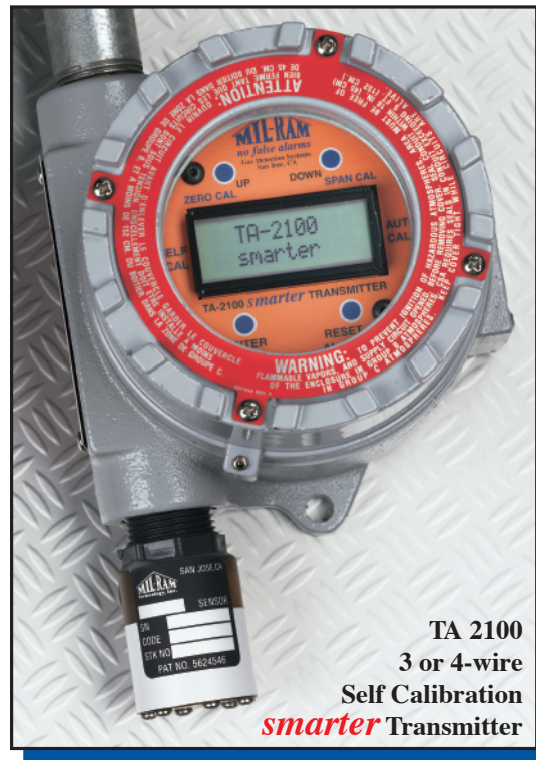
NOTE: Specifications subject to change without notice.



- C₃H₃N
- NH₃
- AsF₅
- AsH₃
- BCl₃
- BF₃
- Br₂
- CO₂
- CO
- Cl₂
- ClO₂
- C₆H₅Cl
- L.E.L.
- B₂H₆
- C₂H₄Cl₂
- SiH₂Cl₂
- CH₂F₂
- F₂
- Freons
- GeH₄
- N₂H₄
- H₂
- HBr
- HCl
- HCN
- HF
- HI
- H₂O₂
- H₂S
- I₂
- CH₃Br
- CH₃Cl
- CH₃I
- CH₂Cl₂
- HNO₃
- NO
- NO₂
- NF₃
- O₂
- O₃
- COCl₂
- PH₃
- POCl₃
- SiH₄
- SO₂
- H₂SO₄
- C₂Cl₄
- C₂HCl₃

And more

Tox-Array 2100 RS-485/4-20mA 3 or 4-Wire Self Calibration *smarter* Transmitter



TA 2100
3 or 4-wire
Self Calibration
smarter Transmitter

- Labor-free auto self calibration, adjusts span monthly based on life curve
- Auto gas 2 minute calibration, non-intrusive hands free, magnetic switches
- Off-site sensor calibration to replace sensors in the field without recalibration
- Peak Value, 15-min. TWA
- Loop Test

Transmitter Specifications:

Operating Voltage:	12 or 15–30VDC
Transmitter Outputs:	4-20 mA and RS-485 Modbus RTU (option)
Sampling Method:	Diffusion (Sample-Draw Available)
Calibration Method:	Non-Intrusive, magnetic switches
Enclosure:	CSA/FM/UL/CENELEC/KEMA Class I, Groups B/C/D Class II, Groups E/F/G Class III, Type 4X
Weight:	3.5 lbs/1.58 kg.
Part Number:	01-25XXSMTR
Power Required:	Toxic: 1.08W at 24VDC/2.60W Max. w/ Relays LEL: 1.82W at 24VDC/3.38W Max. w/ Relays

MIL-RAM
Patented Technology
no false alarms
Gas Detection Systems
ISO 9001:2000 Certified

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