

no false alarms

Gas Detection Systems

NEW AND *smarter* 2-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
- Off-site sensor calibration to replace sensors in the field without recalibration
- Loop Test
- Peak Value, 15-min. TWA, Temperature
- Can be used with Mil-Ram's Wireless Telemetry System
- Rapid Warm-up – ready to calibrate in 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
- 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
- 2 minute gas calibration
- 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 ppm 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



Tox-Array 2102 2-Wire Loop Powered *smarter* Transmitter

C₃H₈N
NH₃
AsF₅
AsH₃
BCl₃
BF₃
Br₂
CO
Cl₂
ClO₂
C₆H₅Cl
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



TA 2102 – 2-Wire
Loop Powered
Self Calibration
smarter Transmitter

- Labor-free auto self calibration adjusts span monthly based on life curve
- Auto gas calibration in 2 minutes, non-intrusive hands free, magnetic switches
- Loop Test
- Peak Value, 15-min. TWA, Temperature
- Off-site sensor calibration

Transmitter Specifications:

Operating Voltage:	10-30VDC, 2-Wire Loop Powered
Transmitter Output:	4-20 mA
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:	3.5lbs/1.58kg.
Part No.:	01-22XXSMTR

NOTE: Specifications subject to change without notice.

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

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