

no false alarms

Gas Detection Systems

New & smarter

Me-Cl₂ Solid State Methylene Chloride

3 or 4-Wire *smarter* Transmitter

FEATURES

- **Solid State MOS Metal Oxide Semiconductor sensor Technology**
- **Wide Humidity Range** - 5% to 100% relative humidity (non-condensing)
- **Wide Temperature Range** - -40° C to +75° C
- **Self-Calibration** - microcontroller electronics automatically adjusts span calibration over time based on typical life curve for sensor - sensors not routinely calibrated stay much closer to proper calibration - reduces calibration frequency - actual field calibration data re-adjusts life curve
- **Sensor Life Remaining** - determined based on sensor life curve, calibration history and electrical characteristics of sensor - shown on LCD display
- **Non-Intrusive One-Man Calibration** - use magnet to actuate zero and span Calibration switches behind enclosure glass window - no manual adjustments required - no need to open enclosure
- **Off-site Sensor Calibration** - calibrate sensor in lab and install on any same type *smarter* Transmitter with no further calibration required - calibration data automatically uploads to transmitter to ensure precise calibration
- **Alarm Settings** - user adjustable low, mid and high alarm settings
- **Alarm Relays** - (option) low, mid and high relays, user selectable non-latching/latching, non-energized/energized - fault relay, non-latching, normally energized - all relays rated 20 amps
- **Modbus RTU (option)** - provides RS-485 multi-drop installation of transmitters networked to Modbus Host Controller (e.g. PLC)
- **Peak Value** - 15 min. TWA/No. days since last gas calibrated
- **Loop Test** - transmitter outputs 4/8/12/16/20mA signal to verify readings and alarms at controller electronics
- **Diagnostics** - continuous analysis of transmitter system to report any fault conditions, e.g. low sensor life, low gas sensitivity, sensor disconnected, etc.
- **Sample Draw (option)** - provides continuous sample extraction
- **Long Life** - 3 - 5 years continuous operation, typical
- **Fast Response** - T50 less than 30 seconds
- **Fast Recovery** - T50 less than 30 seconds

Self-Calibration = Cost Reduction



2 line x 12 Character Back-lit LCD Display

Modbus Option—RS-485 Modbus RTU, Ethernet Modbus TCP/IP. Link up to 247 *smarter* Transmitters on a twisted pair cable and collect data continuously at host computer, PLC, PC, data-logger, etc.

TRANSMITTER SPECIFICATIONS:

- Operating Voltage:** 12 or 24VDC
- Transmitter Outputs:** 4-20 mA, 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, Div. I, Groups B/C/D Class II, Groups E/F/G Class III, Type 4X
- Weight:** 3.5lbs/1.589kg.
- Part Number:** 01-25165
- Power Required:** 1.82W at 24VDC/3.38W Max. w/Relays

Note: Specifications subject to change without notice

Toll Free: 888-4MILRAM • 1-888-464-5726

4135 Business Center Drive • Fremont, CA 94538

Tel: 510-656-2001 • Fax: 510-656-2004

sls@mil-ram.com • www.mil-ram.com

www.wirelessmil-ram.com

SENSORS

- Detection Principle:** Solid State Metal Oxide Semiconductor (MOS)
- Detection Method:** Diffusion (Sample Draw Available)
- Detection Range:** 0-1000 ppm
- Output Signal:** Linear, 4-20 mA, Modbus RTU Option
- Resolution:** 5 ppm
- Response Time:** T50 < 30 sec.
- Recovery Time:** T50 < 30 sec.
- Humidity Range:** 5% - 100% RH, non-condensing - continuous
- Temperature Range:** -40°C to +75°C
-40°F to +167°F
- Position Sensitivity:** None
- Life Expectancy:** 3-5 years, typical under normal operating conditions

