Model TA-2100 smarter
Trichloroethylene Gas Detector

Features

**no false alarms** PID Photo-Ionization sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +55°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

Specifications

Detection Principle: PID Photo-Ionization
Detection Method: Diffusion or Sample Drawing
Detection Range: 0 - 250 ppm (parts-per-million)
Calibration Method: Non-intrusive, magnetic tool
Operating Voltage: 12 - 30 VDC, 24 VDC nominal
Power Requirements: 1.82 W @ 24 VDC
Electrical Connections: Power (24 VDC) and Signal (4-20mA)
Cable Requirements: 3 or 4 wires, shielded
Optional Connections: RS-485 Half-duplex (Modbus RTU)
Resolution: 1 ppm minimum detection level
Zero Drift: less than 1% of full-scale
Temperature Range: -40°C to +55°C
Humidity Range: 0 - 99%RH, non-condensing
Response Time: <30 sec. to 90% of final reading
Recovery Time: <30 sec. to 90% recovery
Lamp Service Life: 18 mos. typical; depends on conditions
Electronic Enclosure: Ex-Proof, alum. or 316 SS, Nema 4x
Certifications: UL, Class I, Division 1, GR B,C,D

Applications

- Electroplating
- Chemical Processing
- Iron & Steel Production
- Metal Degreasing
- Paper Production
- Laboratories
- Rubber Production
- Semiconductors

Specifications subject to change without notice due to continued program of product innovation.