Model TA-2100 smarter
Sulfur Dioxide SO2 Gas Detector

Features

no false alarms patented electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

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

Not affected by temperature -25°C to +50°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

Available suitable for use in SIL 2 environments / Advanced diagnostics

Specifications

Detection Principle: Electrochemical - Amperometric
Detection Method: Diffusion or Sample Drawing
Detection Range: 0.0 - 20.0 ppm (parts-per-million)
Calibration Method: Non-intrusive, magnetic tool
Operating Voltage: 12 - 30 VDC, 24 VDC nominal
Power Requirements: 1.08 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: 0.1 ppm minimum detection level
Zero Drift: less than 0.1 ppm
Temperature Range: -25°C to +50°C
Humidity Range: 10 - 95% RH, non-condensing
Response Time: <60 sec. to 90% of final reading
Recovery Time: <30 sec. to 90% recovery
Sensor Service Life: >3 years typical; normal conditions
Electronic Enclosure: Ex-Proof, alum. or 316 SS, Nema 4x
Certifications: CSA, Class I GR B,C,D haz. loc. avail.

Applications

Sulfuric Acid Production
Chemical Processing
Pulp & Paper Mills
Food & Beverage
Dried Fruit Production
Fruit Preservatives
Fungicides
More

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