



GENERAL MONITORS
Protection for life.

MODEL TS4000

Intelligent Sensor For Toxic Gas Detection



Features

- Integral Galvanic Isolation
- One Person Adjustment-Free Calibration
- Two Discrete LED Indicators
- Sensor can be remote mounted up to 2,000 ft. (610m) via conduit (Ex)
- Sensor Life Indication
- 4-20 mA Analog Output
- Dual Redundant MODBUS Communications with three (3) discrete relays
- Wireless Capability

Benefits

- Design permits hot swapping of electrochemical sensors, simple installation with low cost of ownership.
- Uses a magnetically activated, non-intrusive, calibration method.
- Indicates alarm and warning conditions.
- Increased installation flexibility.
- Reduces downtime by providing an estimate of remaining sensor life.
- Industry standard output for remote alarm and fault indication.
- Provides complete status and control capability in the control room
- Compatible with ELPRO Technologies wireless transmitters

Description

The TS4000 is a 24 VDC-powered toxic gas detector comprised of a base unit, sensor interface module and electrochemical cell (sensor). The TS4000 monitors a variety of toxic gases in the parts per million (ppm) range, including: ammonia, carbon monoxide, chlorine, chlorine dioxide, hydrogen chloride, hydrogen sulfide, nitric oxide, nitrogen dioxide, oxygen deficiency, ozone, and sulfur dioxide. Configuring the TS4000 to detect a specific target gas is accomplished by simply installing a new sensor and calibrating.

The microprocessor-based electronics of the interface module process information at the sensor site and communicate detected gas values to the base unit for data control and display.

The TS4000 is certified as explosion-proof with intrinsically safe sensor inputs for use in hazardous locations. It can also be used for general-purpose, non-hazardous applications.

Applications

- Oil and Gas Production, Processing, Refining
- Chemical Plants
- Agriculture-Fertilizer Production
- Public Utilities
- Wastewater Treatment Plants
- Refineries
- Pulp and Paper
- Pharmaceuticals
- Food and Beverage
- Automotive Plating Processes, Engine Test Cells
- Primary Metals Processing

