Flame & Gas Detection

Connect and protect high value assets and facilities
Sierra Monitor’s Sentry IT flame and gas detection solution includes standalone sensor modules that can be integrated into the user’s safety and control system or our controller based systems.

**Combustible Gas Detectors**
- Performance Approved with a 180 day calibration cycle
- SIL 2 Certified
- Outputs including Modbus, 4-20mA, relays and HART interface
- Integral scrolling LED display, for visibility in low light and cold areas
- Aluminum and Stainless Steel configuration

**IR Combustible Gas Detector**
- Performance Approved with a 365 day calibration cycle
- SIL 2 Certified
- Outputs including Modbus, 4-20mA, relays and HART interface
- Integral scrolling LED display, for visibility in low light and cold areas
- Aluminum and Stainless Steel configuration

**Toxic Gas Detectors**
- Performance Approved up to a 180 day calibration cycle
- SIL 2 Certified
- Outputs including Modbus, 4-20mA, relays and HART interface
- Integral scrolling LED display, for visibility in low light and cold areas
- Ammonia, H2S, CO, CO2, oxygen deficiency, and others
- Aluminum and Stainless Steel configuration

**Flame Detectors**
- Robust false alarm immunity
- Superior response times
- Advanced through-lens self-test
- Intelligent, thoughtful design
- Full range of certifications
Controllers

**Sentry IT Controller**

- Multiple Input configurations allow up to 32 points per controller to interface with all types of Flame and Gas Detectors
- Third-party NRTL approvals UL 2017, CE Mark, ABS and SIL-2
- Combined with Sentry IT sensors, supports Global-Cal, a single person calibration, requiring only access to the controller
- Outputs to other control devices via re-transmit of 4-20 mA signal, 5 Amp or 8 Amp relays
- Simple menu-driven configuration and operation via a large, touch sensitive, easy-to-read color touch-panel computer
- Super bright LEDs indicating Safe, Alarm, Warning or Trouble conditions and external alarm reset switch

**Notable Applications**

**Oil, Gas and Chemical** - The Sentry IT products provide a reliable and cost effective gas detection solution throughout the oil, gas and chemical production process. The Sentry IT flame and gas detection controller meets the requirements of upstream drilling, midstream transmission and compression, and downstream refining and manufacturing. The extended calibration interval reduces the total cost of ownership of the system.

**Alternative Fuels and Transportation** - The Sentry IT controller is integral in providing flame and gas detection for maintenance areas, compression and fueling sites. The Sentry IT allows easy access for system management and calibration. The Sentry IT initiates the mitigation and controls the alert devices and provides the interface to mass notification systems.

**Water and Wastewater Treatment Plants** - The Sentry IT controller monitors the flammable and toxic gas detectors throughout the facility. Beginning in the headworks to the final clarification process, the Sentry IT can monitor for hazards and directly interface into plant distributed control systems. Calibration and maintenance is quick and easy using our single man GlobalCal detector calibration process.

**Landfill and Brownfield Monitoring** - The area surrounding these sites can be contaminated with many different hazards. The Sentry IT controller can monitor multiple types of gas and flame detectors to meet the various hazards found at these sites. Many times these facilities require supervisory systems to monitor them remotely to assist with site management. The Sentry IT fulfills this requirement with an integral web application built into the system.
Complete System Integration

From Detection to Notification

Sentry InSite
Local web applications
- System status
- Module details
- Historian
- Alarm notification

Probes Against Combustible Gases, Toxic Gases, Oxygen Displacing Gases, and Flame

As a company that adheres to the National Standards and tested by Nationally Recognized Testing Laboratories, we provide you with the necessary assurance that this equipment not only meets but exceeds your safety requirements. Please contact sales@sierramonitor.com for additional information.

Contact us

Sierra Monitor Corporation
1991 Tarob Court
Milpitas, CA 95035 USA

www.sierramonitor.com
sales@sierramonitor.com
Toll free: + 1 800 727-4377
Phone: + 1 408 262-6611
Fax: + 1 408 262-9042