Certified SIL 2 Capable Solutions for Hazardous Industrial Environments
A Customizable Fire and Gas Safety System

Flame Detection

1. X301 Multispectrum IR Flame Detector—Detects hydrocarbon flames by using patented multi-spectrum processing algorithms. Has long detection range and superior false-alarm immunity. Available with HART option and SIL 2 certification.

2. X302 Multispectrum IR Flame Detector—Detects hard-to-see hydrogen flames and other non-carbon-based flames. Its specialized detection in the infrared (IR) band reduces false alarms encountered with traditional detection techniques. Available with HART option and SIL 2 certification.

3. X900 Single Frequency IR Flame Detector—Detects IR radiation of hydrocarbon fires. Patented signal processing enables the detector to see fires while rejecting most false-alarm sources. Available with HART option and SIL 2 certification.

4. X5200 UVIR Flame Detector—Detects hydrocarbon fires by correlating signals from both an ultraviolet (UV) sensor and an IR sensor. Disregards UV radiation sources such as arc welding and lightning. Available with HART option and SIL 2 certification.

5. X2000 UV Flame Detector—Responds to many types of fires quickly and reliably by detecting the UV radiation emitted by most fires. Unique optical design ensures solar immunity. Available with HART option and SIL 2 certification.

6. GT3000 Electrochemical Gas Detector with FlexVu® Universal Display—Provides accurate point detection of combustible hydrocarbon gases. The IR sensor reduces false alarms encountered with traditional detection techniques. Available with HART option and SIL 2 certification.

7. N705000 Electrochemical Gas Detector with FlexVu® Universal Display—Responds accurately to toxic gases. Users can change sensors while the detector is in operation. Can be paired with the FlexVu Universal Display, which provides local or remote indication. Available with SIL 2 certification.

8. PIR9400 PointWatch™ IR Gas Detector with FlexVu® Universal Display—Monitors for the distinct ultrasound emissions from non-contact gas leak detectors suitable for harsh outdoor applications, unmanned operations and extreme temperatures, and is unaffected by fog, rain, and wind.

Safety System Components

10. FlexSight™ LS2000 Line-of-Sight (LOS) IR Gas Detector—Continuously monitors for hydrocarbon gas clouds in large open areas and measures in the LFL meter range up to 120 meters. Provides wall- or ceiling-mounting, stainless steel construction, and easy installation. Offered with integrated Local Operating Network (LON) interface.

11. Catalytic-Bead Gas Detector with FlexVu® Universal Display—Detects hydrocarbon and non-hydrocarbon combustible gases and allows one-person, non-intrusive calibration.

12. UD10-DCU Universal Display—Can be used with various 4-20 mA gas detection devices, with or without HART. The unit provides display, output and control capabilities for the gas detector.

13. FlexSonar® Acoustic Gas Leak Detector—Monitors for the distinct ultrasound emissions from non-contact gas leak detectors suitable for harsh outdoor applications, unmanned operations and extreme temperatures, and is unaffected by fog, rain, and wind.

Surveillance

23. xWatch® Camera—Presents a real-time, color image in hazardous areas. Produces a high-resolution color video picture using a camera module that is mounted inside an explosion-proof housing.

24. X-Series Flame Detector with xWatch® Camera—Both the camera and the flame detector monitor the same area. An operator can view the monitored area in real-time.

Comprehensive Support and Expertise

With over 40 years of systems design expertise, our dedicated project support personnel provide engineering services from the first conversation to future maintenance and support. The team works with you from start to finish of your project and beyond.

- Project Definition
- Project Engineering
- Systems Integration
- Formal Training and Field Service