

# FlexSight™ LS2000 Line-of-Sight Infrared Gas Detector

Advanced Solution for  
Gas Detection



# Comprehensive Solutions Include Line-of-Sight Gas Detection

## THE FLEXSIGHT™ LS2000 LINE-OF-SIGHT INFRARED GAS DETECTOR SETS NEW PERFORMANCE STANDARD

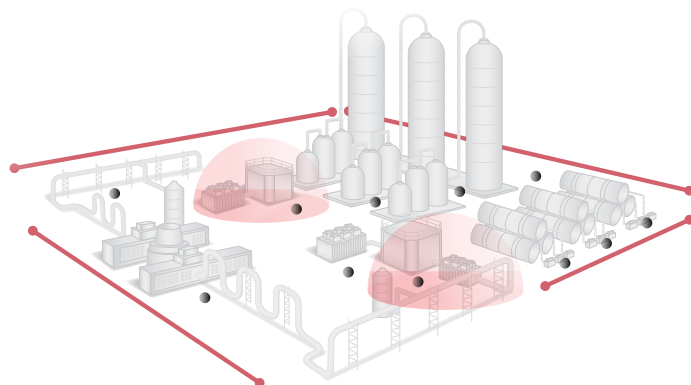
**Line-of-sight solutions** must function under the heavy vibration typical of an industrial site and must endure harsh environments. They must also have the flexibility of easy installation. Finally, alignment reliability is a requirement.

FlexSight™ LS2000 is flexible, functional and reliable—answering industry demands:

- ▲ Easy to install and align
- ▲ Significantly improved alignment tolerance
- ▲ Third-party certified
- ▲ Ten-year IR source warranty; 5-year device warranty

## Detection at Multiple Layers

- ①  LINE-OF-SIGHT GAS DETECTION
- ②  POINT GAS DETECTION
- ③  ACOUSTIC LEAK DETECTION



FlexSight™ LS2000 detects combustible gas between two points and is an optimal solution in perimeter monitoring applications.



**THIRD-PARTY  
CERTIFIED  
FROM 5 TO  
120 METERS**

## 60% IMPROVEMENT IN FIELD OF VIEW



### IMPROVED OPTICS

The difference between a 0.1° and a 0.8° alignment tolerance is significant (see comparison above). FlexSight™ LS2000 is a 60% improvement over the previous industry leading technology. It also has a more reliable and consistent signal strength.

# Industry Leading Performance Easy to Install and Maintain



Det-Tronics FlexSight™ LS2000 line-of-sight infrared gas detector is third-party certified and is SIL 2 capable.

**AND FROM  
-55°C TO  
+75°C (-67°F  
TO +167°F)**



## **SIMPLE INSTALLATION**

Simplified alignment process reduces installation time by over 50%. Housing and mounting advancements also make it much easier to install in the field.

## **BEST IN CLASS FEATURES**

Det-Tronics advanced technology and smart features in the FlexSight™ LS2000 include:



### **Easy to Install**

- ▲ Industry leading field of view creates more tolerant alignment
- ▲ Simple adjustment and mounting method
- ▲ Simplified alignment process does not require specialized handheld interrogator tool
- ▲ Factory calibrated to methane, propane, and butane

### **Easy to Maintain**

- ▲ Less susceptible to vibration and installation movement
- ▲ Smart monitoring and control
- ▲ Temperature and obscuration triggers
- ▲ Power consumption management
- ▲ Field replaceable electronics module
- ▲ Highly visible local LED status indicators
- ▲ Easy diagnostics with event and calibration logs
- ▲ HART communication link

### **Best Performance**

- ▲ Improved optical field of view (60% improvement over previous leading technology) provides wider target and more consistent signal strength
- ▲ Advanced housing design tolerates harsh conditions: vibration, snow, fog, intermittent obstructions and unstable mounting post
- ▲ Five-year warranty for unit and 10-year warranty on IR lamp source

# The Global Leader in Fire and Gas Safety Systems

QUALITY // PROTECTION // SOLUTION // FLEXIBLE // FUNCTIONAL // RELIABLE // EXPERIENCED // ENGINEERED // ADVANCED



FlexSonic® Acoustic Leak Detector



X3301 Multispectrum IR Flame Detector



PointWatch Eclipse® IR Combustible Gas Detector



FlexVu® Universal Display with GT3000 Toxic Gas Detector



Eagle Quantum Premier® Safety System

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Det-Tronics is certified to ISO 9001:2008 in all manufacturing processes.

