

Globally Certified Open Path Detection for Extreme Conditions



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



# Comprehensive Solutions Include Line-of-Sight Gas Detection

# Industry Leading Performance Easy to Install and Maintain

## 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



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



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



## 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

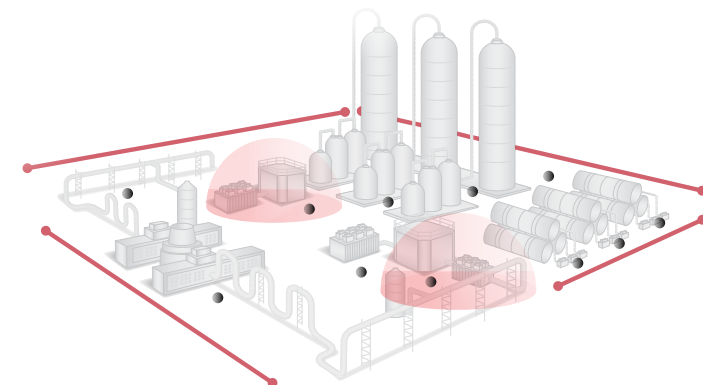
- ▲ Less susceptible to vibration and installation movement
- ▲ Smart monitoring and control
- ▲ Temperature and obscuration triggers
- ▲ Power consumption management
- ▲ Field replaceable electronics module
- ▲ Highly visible local LED status indicators
- ▲ Easy diagnostics with event and calibration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

## Detection at Multiple Layers

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



## 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.



### 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.



# A Global Leader in Fire and Gas Safety Systems

**SAFETY & PROTECTION — SINCE 1973**



**MITIGATING FIRES**



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