Migration Solutions

Line-of-sight Detectors

DET-TRONICS®

# Upgrade to FlexSight™ LS2000 Line-of-sight Detector

# Advance Protection and Lower Cost

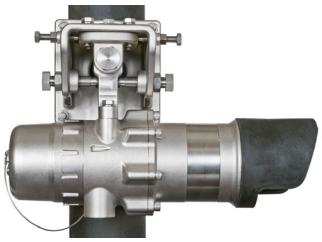
## OUR NEVER COMPROMISE ATTITUDE

Det-Tronics systems protect lives and valuable assets around-the-clock globally. We are driven to improve systems to reduce risk and advance protection.
**Why upgrade?** The latest generation products will:

- Meet or exceed current regulatory approval requirements
- Reduce the total cost of operation
- Speed installation and maintenance tasks
- Enhance user experience and interaction

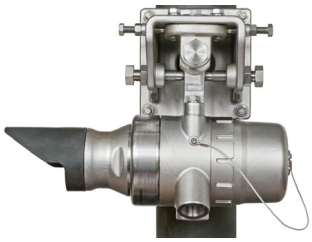
**It's time to upgrade to a higher standard.**

## FlexSight™ LS2000 Line-of-Sight Detector Is an Advancement



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

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



Your local representatives can help you implement site-specific solutions tailored to meet your change requirements. Contact them today to begin the product migration process.

### APPLICABLE LEGACY PRODUCTS:

- OPECL – Relay/4-20ma
- OPECL – EQP/LON

**Compared to legacy products, the FlexSight™ LS2000 Line-of-Sight Detector:**

Enhances performance

- Comprehensive onboard event logs
- Highly Visible LED status indicators
- More consistent signal strength for more accurate measurements

Reduces maintenance cost

- Simple alignment procedure—over 50% reduction in setup time
- Simple replacement of OPECL with LS2000 on EQP LON—no programming required
- Best in industry alignment tolerance (0.8°)—stays aligned
- Best in industry warranty (5yrs/10yrs – source lamp)

### OPECL LIFECYCLE

**MANUFACTURED 2004–SEPTEMBER 2019**

**SUPPORTED 2004–JANUARY 2020**

### FLEXSIGHT™ LS2000 LIFECYCLE

**MANUFACTURED 2015–FUTURE**

**SUPPORTED 2015–FUTURE**

# Upgrade Specifics

## INSTALLATION REQUIREMENTS

| | |
|---|---|
| Tools: | Screwdriver, wrenches |
| Time: | 1 hour per unit |
| Power* | |
| Transmitter: | 10.7 watts max @ 24Vdc |
| Receiver: | 7.2 watts max @ 24Vdc |
| Space: | Same footprint as the OPECL |
| Communication: | Same options as the OPECL |

*LS2000 power draw at the 30% heater setting is equivalent to the OPECL

Refer to pages 15-29 of the instruction manual.

**SIMPLE INSTALLATION**

## ACCESSORIES

| | |
|---|---|
| 012287-002: | LS2000 Alignment Tool |
| 012673-001: | System Test Films, LS2000 |
| 103922-003: | AMS Trex™ HART Communicator |
| 014020-001: | W6300G1006 Gas Inspector II Kit (PC software and connection hardware included) |
| 009246-003 | Gas Test Cell, LS2000 Methane ISO |
| 009246-004 | Gas Test Cell, LS2000 Methane IEC |
| 009246-005 | Gas Test Cell, LS2000 Propane ISO |
| 009246-006 | Gas Test Cell, LS2000 Propane IEC |
| 009246-007 | Gas Test Cell, LS2000 Butane ISO |
| 009246-008 | Gas Test Cell, LS2000 Butane IEC |
| 012718-003: | Flat Surface Adapter Plate (converts OPECL flat surface mounting to LS2000) |
| 012790-001: | Thermal Shield for Right Module |
| 012791-001: | Thermal Shield for Left Module |

## MAINTENANCE

| | |
|---|---|
| Calibration: | Zero calibration only required after alignment is performed, no span calibration required |
| Alignment: | Only required at startup—best in class alignment tolerance |
| Service: | The optics can be cleaned with isopropyl alcohol as needed |
| Parts: | Spare transmitter and receiver modules are available and can be replaced without removing wiring or interfering with the alignment |
| Functional: | Checks performed as required by local regulations – test films are available to test low and high alarm outputs |
| Warranty: | 5 years, 10 years on the source lamp |

Refer to the instruction manual for specfics.

## MAINTENANCE PLANNING

| | Spares | Repairs |
|---|---|---|
| LS2000: | Yes | Yes |
| OPECL: | No | No |

## SUPPORT MATERIALS

| | |
|---|---|
| 95-8714: | Instruction Manual |
| 95-8738: | LS2000 Gas Cell |
| 90-1215: | Spec Sheet |
| 95-8727: | Safety Manual |
| 51-1008: | Features and Benefits Video |
| 51-1009: | Install and Commission Video |
| 51-1018: | Upgrade Video |

**SUPPORT MATERIALS AVAILABLE AT:**
**WWW.DET-TRONICS.COM**

# A Global Leader in Fire and Gas Safety Systems

**SAFETY & PROTECTION — SINCE 1973**

## Additional Product Migrations:

**LEGACY**
**FLAME DETECTORS**

**X-SERIES**
**FLAME DETECTORS**

### KEY UPGRADE FACTS:

- ▲ Improved false alarm rejection
- ▲ Onboard event logs
- ▲ Detects more flame types
- ▲ Longer warranty

**LEGACY (C706X)**
**TOXIC GAS DETECTORS**

**GT3000***
**TOXIC GAS DETECTORS**

### KEY UPGRADE FACTS:

- ▲ HART communication
- ▲ Onboard calibration logs and status LED
- ▲ Hot swappable replacement sensors
- ▲ One transmitter model for all gas types

* The GT3000 Toxic Gas Detector is not available for sale in the European Union (EU) and the United Kingdom (UK).

**LEGACY TX (U9500)**
**DISPLAYS**

**FLEXVU® UD10/UD20/UD30**
**UNIVERSAL DISPLAYS**

### KEY UPGRADE FACTS:

- ▲ Large, heated backlit display
- ▲ Onboard calibration logs
- ▲ Non-intrusive menu interface
- ▲ Easy install and legacy compatibility

**Learn more about these products at www.det-tronics.com or speak to your local representative.**

92-1077 1.4 (US)

DET-TRONICS

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