

## LIGHT GUIDE KITS FOR IREX OPTICAL DETECTORS

### DESCRIPTION

The light guides are optical fibers that carry light across its length from the protected hazard to the IREx detector. The IREx detector mounted on the light guide will react to differences of the received radiant energy caused by flames.

The light guide can be used where multiple sampling points are required by use of the triple light guide. Light guides can also be used in processes where the operating temperature exceeds the limitation of the IREx detector and for process areas that are difficult to reach.

Process connectors are available with an air purge to keep the connection to the process clean during operation, ensuring the timely detection of an explosion in processes where product build-up can be expected.

### FEATURES AND BENEFITS

- Wide viewing angle
- High pressure and temperature rating
- Multiple sampling points with one IREx detector
- Corrosion resistance
- Simple IREx detector replacement
- Optional air purge for lens cleaning during operation

### SPECIFICATIONS

Process Connection:	12.5 mm connector	7 mm connector
Light Transfer Principle:	Optical fibers	
Deflagration Overpressure:	174 psig (12 bar)	
Wetted Parts:	1.4404 (316L SST) Epoxy EPO-TEK® 353ND	
Temperature Range:	-4 to 500°F (-20 to +260°C)	

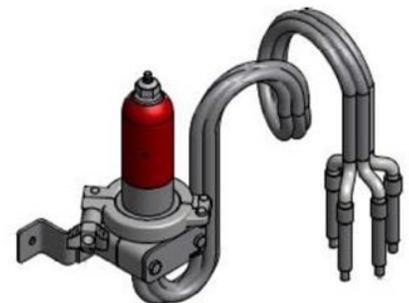
www.Fike.com



**Single Light Guide**  
Detector sold separately



**Triple Light Guide**  
Detector sold separately



**Quadruple Light Guide**  
Detector sold separately

Form No. X.1.47.01-1, February, 2019



## FIBER OPTIC LIGHT GUIDE KITS

Single Light Guide Kits	
Part Number	Description
E61-067-1	Single Light Guide 0.5 Meter Cable, Optical Detector Flange, Tri-Clamp, PTFE Gasket, Mounting Bracket
E61-067-2	Single Light Guide 1.0 Meter Cable, Optical Detector Flange, Tri-Clamp, PTFE Gasket, Mounting Bracket

*Note- The single light guide cable mounting kit requires one process connection ordered separately*

Triple Light Guide Kits	
Part Number	Description
E61-068-1	Triple Light Guide 1.5 Meter Cable, Optical Detector Flange, Tri-Clamp, PTFE Gasket, Mounting Bracket
E61-068-2	Triple Light Guide 2.0 Meter Cable, Optical Detector Flange, Tri-Clamp, PTFE Gasket, Mounting Bracket

*Note- The triple light guide cable kit requires three process connections ordered separately.*

Quadruple Light Guide Kits	
Part Number	Description
E61-074-1	Triple Light Guide 1.5 Meter Cable, Optical Detector Flange, Tri-Clamp, PTFE Gasket, Mounting Bracket

*Note- The quadruple light guide cable kit requires four process connections ordered separately.*

The single, triple, and quadruple light guide kits include all mounting hardware to connect to the IREx detector. Process connectors must be ordered separately.

## LIGHT GUIDE PROCESS CONNECTORS

Process connectors are ordered separately and are required for each application. Process connectors are made from 316L stainless steel and can be ordered with or without air purge.

Part Number	Description
23650531	Single Light Guide Process Connector 316L SST
23650331	Single Light Guide Process Connector with Air Purge 316L SST
23615631-S*	Triple & Quadruple Light Guide Process Connector 316L SST
23628431-S*	Triple & Quadruple Light Guide Process Connector with Air Purge

*\* Triple and Quadruple light guide process connectors are sold individually. A quantity of 3 is required for the triple light guide kit, and a quantity of 4 is required for the quadruple light guide kit.*

