



fibers
LL3, Fibers, through-beam system

LL3-TR10



Model Name > [LL3-TR10](#)
Part No. > [5325920](#)



At a glance

- For installation at sites with limited space
- The smooth sleeve is simply secured by a setscrew

Your benefits

- Very large selection of fiber-optic cables with plastic and glass fibers, giving users more application flexibility
- Resistant to damage caused by mechanical and chemical stress, as well as high temperatures
- Standard and customer-specific types
- Simple installation saves time
- For detection of objects, surfaces, leading edges, and fluid levels

Features

| | |
|--|---|
| For fiber-optic sensor: | WLL160(T), WLL170-2/WLL170T-2, WLL180T, WLL190T-2 |
| Device type: | Fibers |
| Jacket material: | PE |
| Core material: | PMMA |
| Sleeve material: | Stainless steel |
| Diameter, connection: | 2.2 mm |
| Mounting sleeve dimension: | Ø 3 mm |
| Bend radius, fibre-optic cable: | 1 mm |
| Heat resistance: | 70 °C |
| Ambient temperature operation: | -40 °C ... 60 °C |
| Minimal object diameter: | 0.02 mm ¹⁾ |
| Core structure: | 151 x 0.075 mm |
| Fiber-optic cable cuttable ²⁾ : | ✓ |
| Thread sleeve: | - |
| Sleeve: | ✓ |
| 90° offset: | - |
| Flat housing: | - |
| High flexible: | ✓ |
| Long end sleeve: | - |
| Array: | - |
| High temperature: | - |
| Oil/chemical resistant: | - |
| Lcd/clear material/semiconductor: | - |
| Vacuum: | - |
| Robotics: | - |

Retro-reflective: -
 Liquid level: -
 Category fiber-optic cables: Flexible fiber-optic cable, Smooth sleeve
 Fiber length: 2,000 mm

1) Minimum detectable object was determined at optimal measuring distance and optimal setting 2) FC fiber optic cable cutter included in delivery

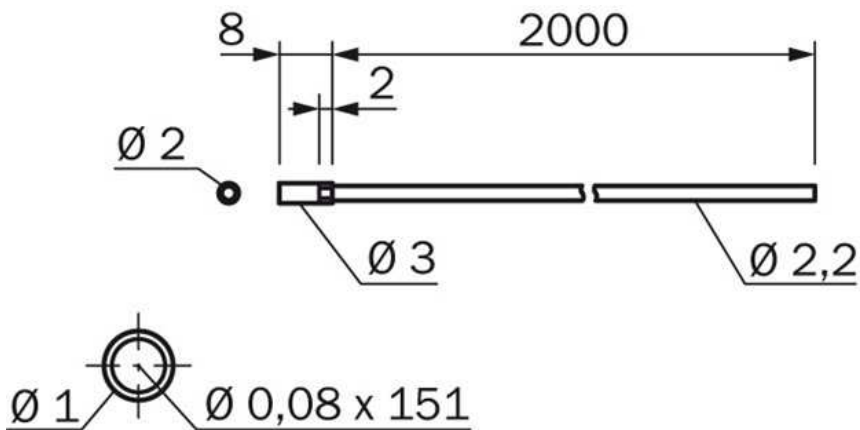
Sensing range with WLL180T

| | |
|-----------------------------|----------|
| Operating mode 16 μ s: | 380 mm |
| Operating mode 70 μ s: | 1,220 mm |
| Operating mode 250 μ s: | 2,000 mm |
| Operating mode 2 ms: | 4,000 mm |
| Operating mode 8 ms: | 4,000 mm |

Sensing range with WLL170-2

| | |
|-------------------------|--------|
| Redlight 250 μ s: | 800 mm |
| Greenlight 250 μ s: | 250 mm |
| Highspeed 50 μ s: | 250 mm |

Dimensional drawing



Alle Maße in mm

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