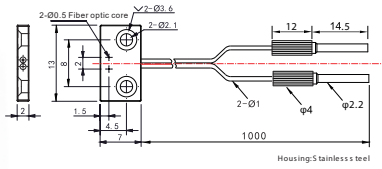
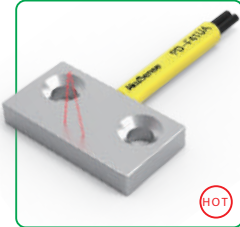


### Diffuse reflection

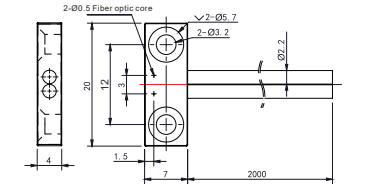
#### PD-F41UA



Housing: Stainless steel  
Sensing distance: PC1: 80mm PG1: 30mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

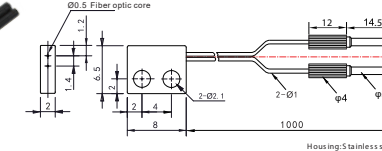
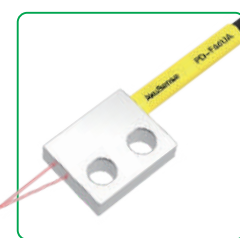
**HOT**

#### PD-F42UA



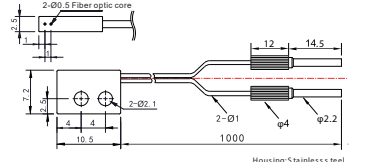
Housing: Stainless steel  
Sensing distance: PC1: 160mm PG1: 120mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

#### PD-F44UA



Housing: Stainless steel  
Sensing distance: PC1: 120mm PG1: 55mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

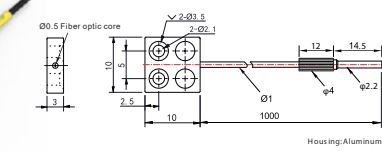
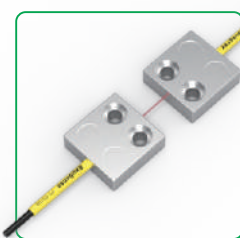
#### PD-F47UA



Housing: Stainless steel  
Sensing distance: PC1: 80mm PG1: 25mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

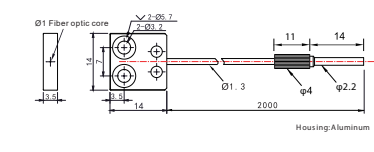
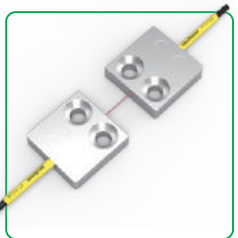
### Thru-beam

#### PT-F51UA



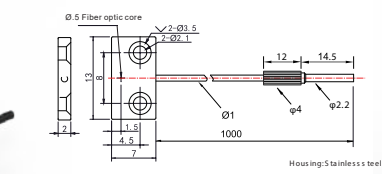
Housing: Aluminum  
Sensing distance: PC1: 400mm PG1: 130mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

#### PT-F52UA



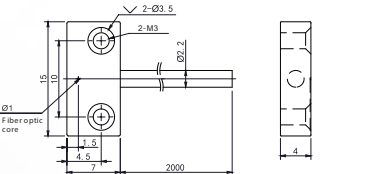
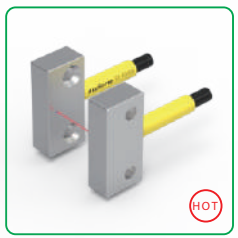
Housing: Aluminum  
Sensing distance: 1900mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm  
(Sensing distance varies with different amplifiers)

#### PT-F53UA



Housing: Stainless steel  
Sensing distance: PC1: 210mm PG1: 80mm  
Minimum bending radius: R 2  
Sensing distance: 340mm  
Min- size D detected object: φ0.05mm  
(Sensing distance varies with different amplifiers)

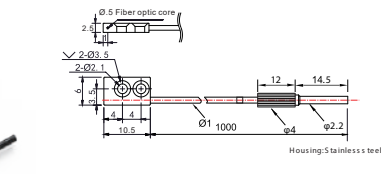
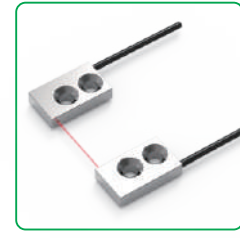
#### PT-F54UA



Housing: Stainless steel  
Sensing distance: PC1: 1300mm PG1: 450mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

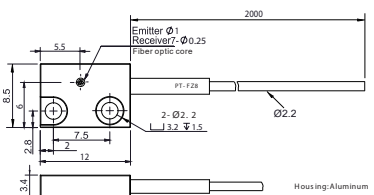
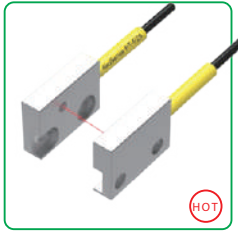
**HOT**

#### PT-F57UA



Housing: Stainless steel  
Sensing distance: PC1: 210mm PG1: 100mm  
Minimum bending radius: R 2  
Sensing distance: 480mm  
Min- size D detected object: φ0.05mm  
(Sensing distance varies with different amplifiers)

#### PT-FZ8



Housing: Aluminum  
Sensing distance: 1200mm  
Minimum bending radius: R 15  
Min- size D detected object: φ0.1mm  
(Sensing distance varies with different amplifiers)

**HOT**

#### Fiber Optic

- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Vibration
- Temperature

#### Guidance

#### Fiber amplifiers

- Standard economic
- High stability type
- High performance
- High speed response

#### Fiber components

- Popular type
- Array-type
- Flat bracket type**
- Side-view type
- High elastic type
- High temperature resistant
- Small spot type
- Combination type
- High end type

#### Fiber lens

#### Fiber lens