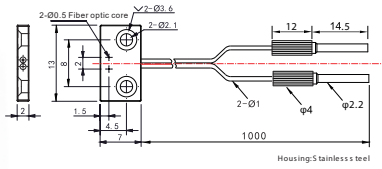
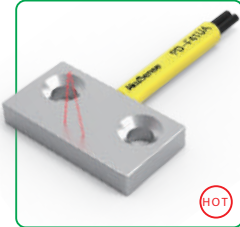


### Diffuse reflection

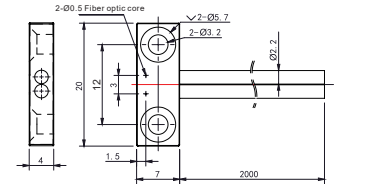
#### PD-F41UA



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

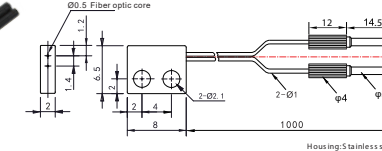
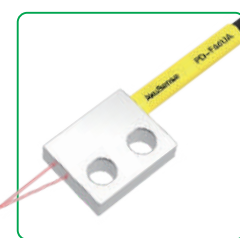
**HOT**

#### PD-F42UA



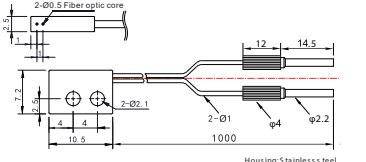
Housing: Stainless steel  
Sensing distance: PC1: 160mm PG1: 120mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

#### PD-F44UA



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

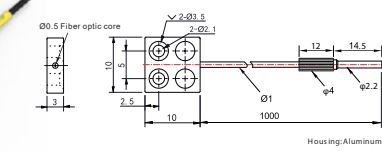
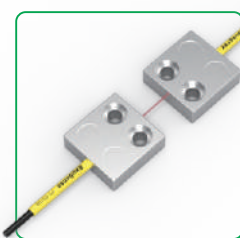
#### PD-F47UA



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

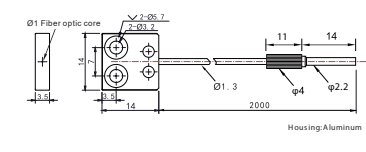
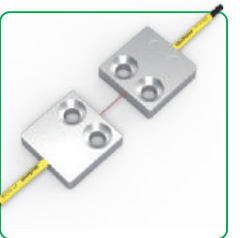
### Thru-beam

#### PT-F51UA



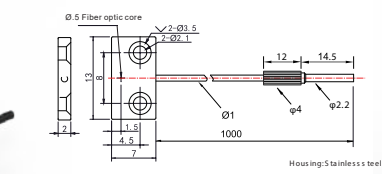
Housing: Aluminum  
Sensing distance: PC1: 400mm PG1: 130mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm

#### PT-F52UA



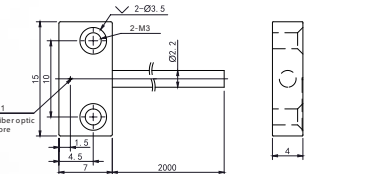
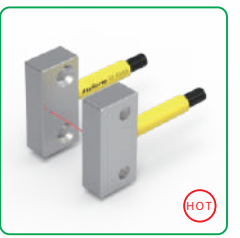
Housing: Aluminum  
Sensing distance: 1900mm  
Minimum bending radius: R 2  
Min- size D detected object: φ0.05mm  
(Sensing distance varies with different amplifiers)

#### 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)

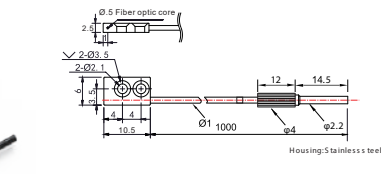
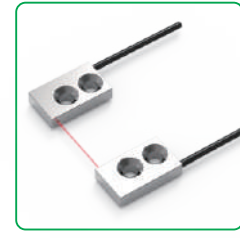
#### PT-F54UA



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

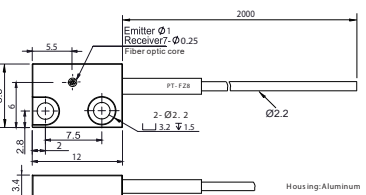
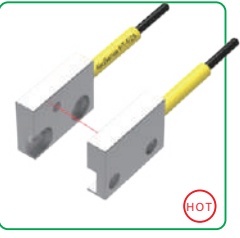
**HOT**

#### 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: 120mm  
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

Annexes

Guidance

#### Fiber amplifiers

Standard economic

High stability type

High performance

High speed respon

#### 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