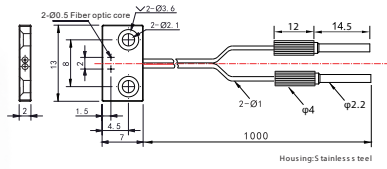
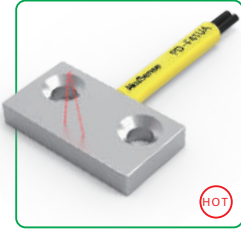


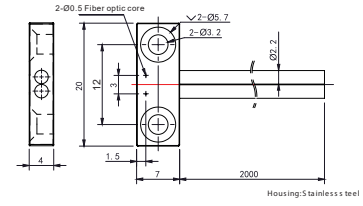
### Diffuse reflection

#### PD-F41UA



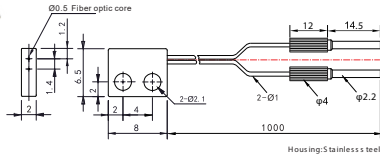
Sensing distance: PC1:80mm PG1:30mm  
 Minimum bending radius: R 2  
 Min- size D detected object: φ0 .05mm

#### PD-F42UA



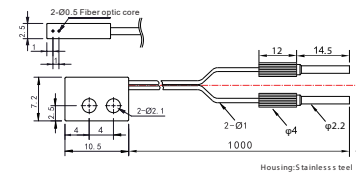
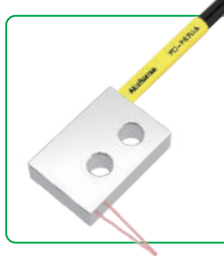
Sensing distance: PC1:160mm PG1:120mm  
 Minimum bending radius: R 2  
 Min- size D detected object: φ0 .05mm

#### PD-F44UA



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

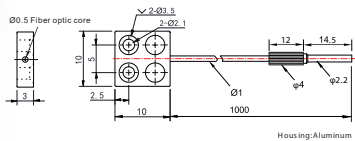
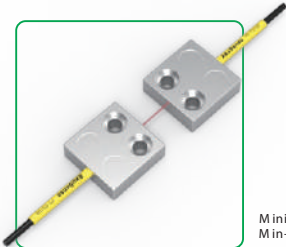
#### PD-F47UA



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

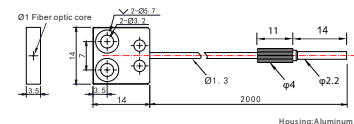
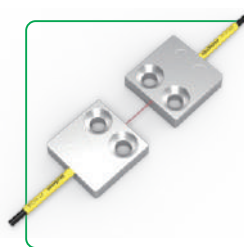
### Thru-beam

#### PT-F51UA



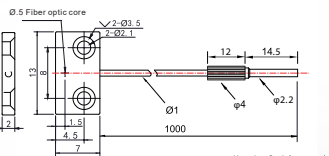
Sensing distance: PC1:400mm PG1:130mm  
 Minimum bending radius: R 2  
 Min- size D detected object: φ0 .05mm

#### PT-F52UA



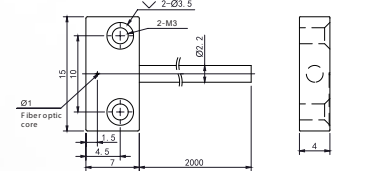
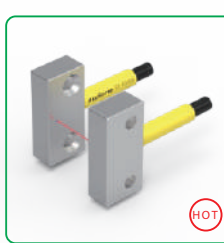
Sensing distance: 1900mm  
 Minimum bending radius: R 2  
 Min- size D detected object: φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-F53UA



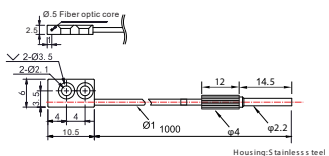
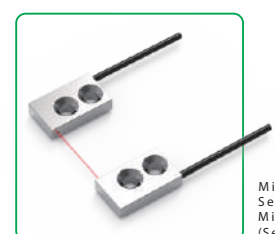
Sensing distance: PC1:210mm PG1:80mm  
 Minimum bending radius: R 2  
 Sensing distance: 340mm  
 Min- size D detected object: φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-F54UA



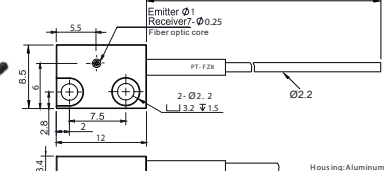
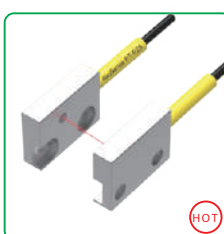
Sensing distance: PC1:1300mm PG1:450mm  
 Minimum bending radius: R 2  
 Min- size D detected object: φ0 .05mm

#### PT-F57UA



Sensing distance: PC1:100mm PG1:400mm  
 Minimum bending radius: R 2  
 Sensing distance: 480mm  
 Min- size D detected object: φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-FZ8



Sensing distance: 120mm  
 Minimum bending radius: R 15  
 Min- size D detected object: φ0 .1mm  
 (Sensing distance varies with different amplifiers)

#### Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Area

Ultrasonic

Vision

Vibration

Temperature

Annexes

Guidance

#### Fiber amplifiers

Standard economical

High stability

High performance type

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