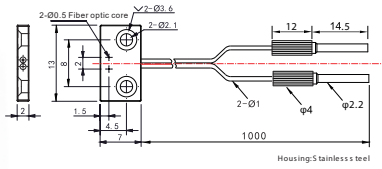
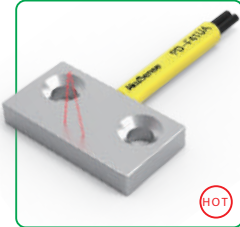


### Diffuse reflection

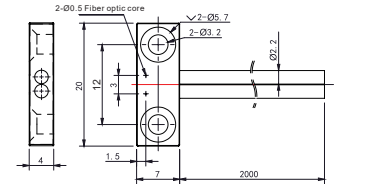
#### PD-F41UA



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

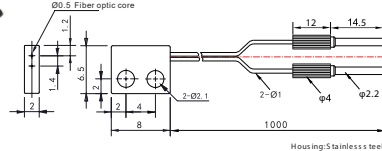
**HOT**

#### PD-F42UA



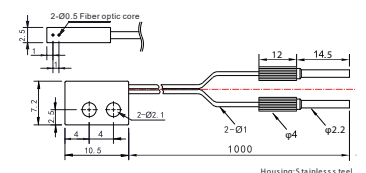
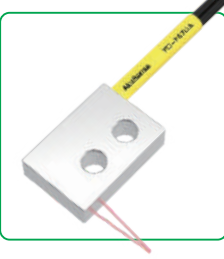
Sensing distance:  
 Minimum bending radius: R 2 PC1:160mm  
 Min- size D etected object:φ0 .05mm PG1:120mm

#### PD-F44UA



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

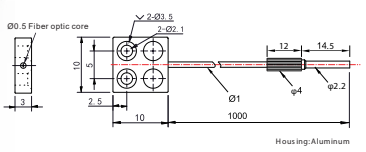
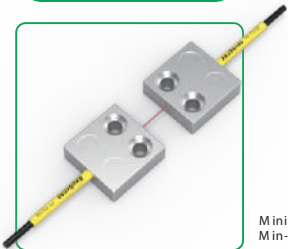
#### PD-F47UA



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

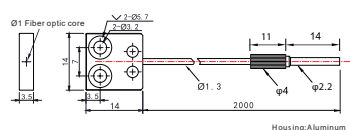
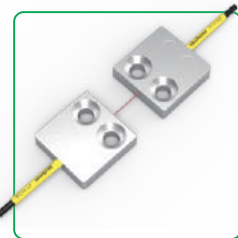
### Thru-beam

#### PT-F51UA



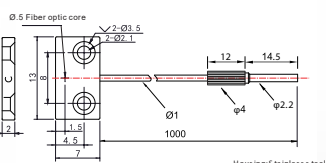
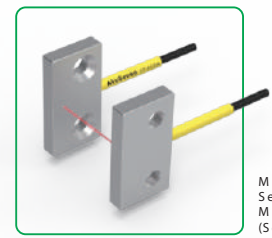
Sensing distance:  
 Minimum bending radius: R 2 PC1:400mm  
 Min- size D etected object:φ0 .05mm PG1:130mm

#### PT-F52UA



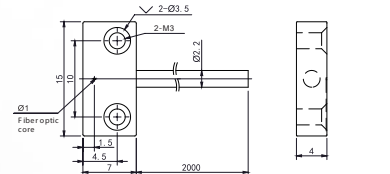
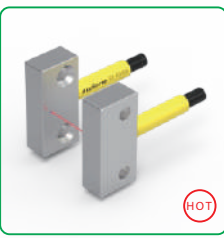
Sensing distance:  
 Minimum bending radius: R 2 PC1:1900mm  
 Min- size D etected object:φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-F53UA



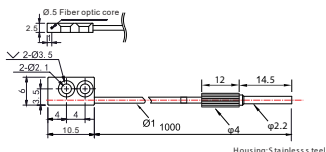
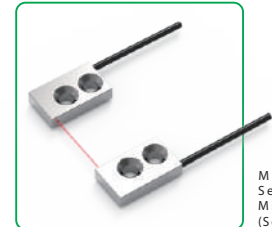
Sensing distance:  
 Minimum bending radius: R 2 PC1:210mm  
 Sensing distance:340mm  
 Min- size D etected object:φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-F54UA



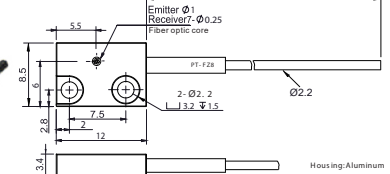
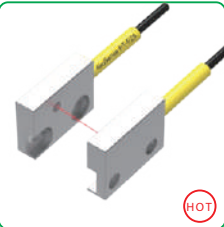
Sensing distance:  
 Minimum bending radius: R 2 PC1:1300mm  
 Min- size D etected object:φ0 .05mm PG1:450mm

#### PT-F57UA



Sensing distance:  
 Minimum bending radius: R 2 PC1:210mm  
 Sensing distance:480mm  
 Min- size D etected object:φ0 .05mm  
 (Sensing distance varies with different amplifiers)

#### PT-FZ8



Sensing distance:  
 Minimum bending radius: R 15 PC1:120mm  
 Min- size D etected object:φ0 .1mm  
 (Sensing distance varies with different amplifiers)

#### Fiber Optic

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

#### 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