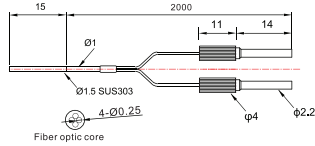


## Popular Type Fiber Components

### Diffuse reflection

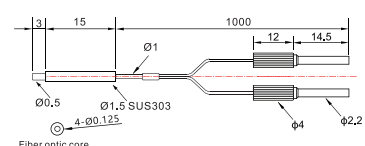
#### PD-R49Y



Size:  $\phi$  1.5  
Minimum bending radius: R2  
Sensing distance:  
PC1:100mm  
PG1:20mm

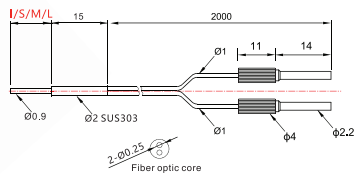
**HOT**

#### PD-R46



Size:  $\phi$  1.5  
Minimum bending radius: R10  
Sensing distance:  
PC1:30mm  
PG1:8mm

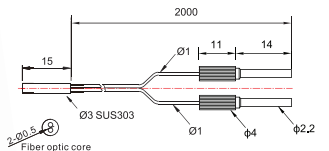
#### PD-E22-Q-I/S/M/L



Size:  $\phi$  2  
Minimum bending radius: R10  
Sensing distance: 15mm  
(Sensing distance varies with different amplifiers)

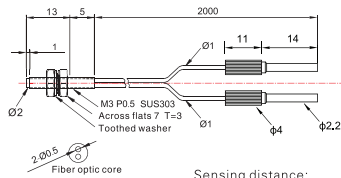
Convex tube:  
I:10mm S:20mm M:40mm L:90mm

#### PD-S32-Q



Size:  $\phi$  3  
Minimum bending radius: R10  
Sensing distance:  
PC1:120mm  
PG1:40mm

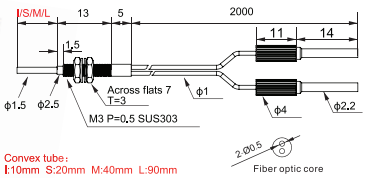
#### PD-32



Size: M3  
Minimum bending radius: R15  
Sensing distance:  
PC1:120mm  
PG1:60mm

**HOT**

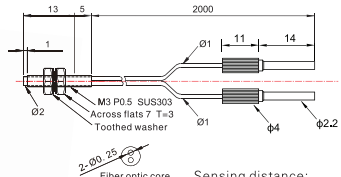
#### PD-32-I/S/M/L



Size: M3  
Minimum bending radius: R15  
Sensing distance:  
PC1:160mm  
PG1:60mm

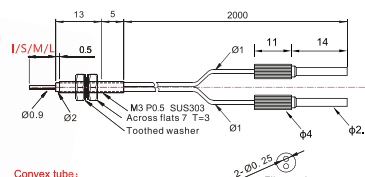
Convex tube:  
I:10mm S:20mm M:40mm L:90mm

#### PD-E32



Size: M3  
Minimum bending radius: R10  
Sensing distance:  
PC1:30mm  
PG1:10mm

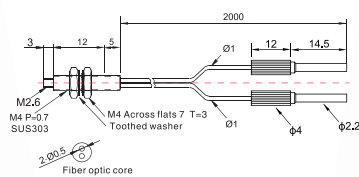
#### PD-E32-I/S/M/L



Size: M3  
Minimum bending radius: R10  
PC1:30mm  
PG1:10mm

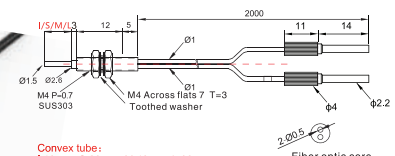
Convex tube:  
I:10mm S:20mm M:40mm L:90mm

#### PD-42



Size: M4  
Minimum bending radius: R15  
Sensing distance:  
PC1:120mm  
PG1:45mm

#### PD-42-I/S/M/L



Size: M4  
Minimum bending radius: R15  
Sensing distance:  
PC1:110mm  
PG1:45mm

Convex tube:  
I:10mm S:20mm M:40mm L:90mm

Fiber Optic

Fiber Optic
Slot Sens
Photoelec
Laser
Proximity
Displacem
Magnetic
Contact
Area
Ultrasonic
Vision
Vibration
Temperat
Annexes

Guidance  
ers  
nomica e

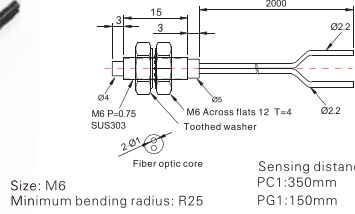
Fiber amplifi  
Standard econce typ  
High stability sponse  
High perform  
High speed re  
nents

Fiber compo  
Popular type  
Array-type  
Flat bracket type  
Side-view type  
High elastic type  
High tempera  
resistant type  
Small spot type  
Combination  
High end type

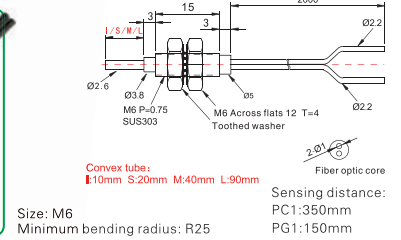
Fiber lens  
Fiber lens

**Diffuse reflection**

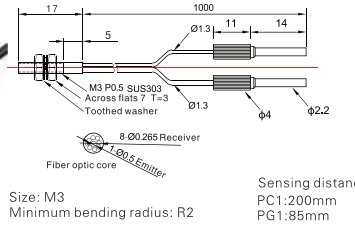
**PD-62**



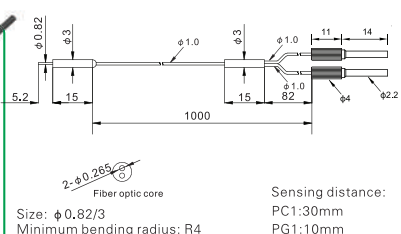
**PD-62-I/S/M/L**



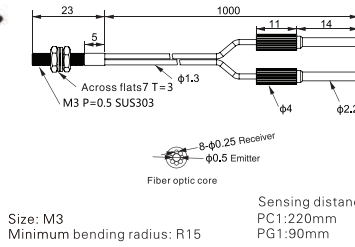
**PD-L35GA**



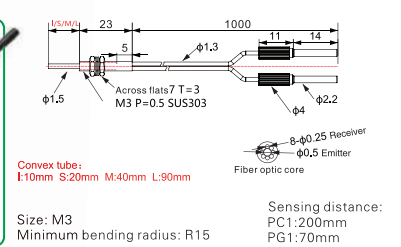
**PD-G45Y**



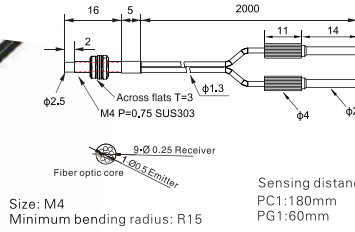
**PD-C310-35FA**



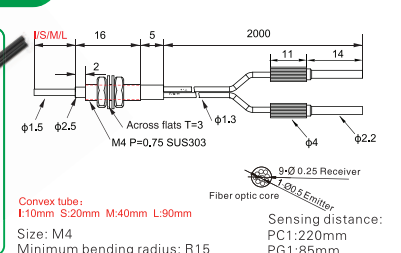
**PD-C310-35FA-I/S/M/L**



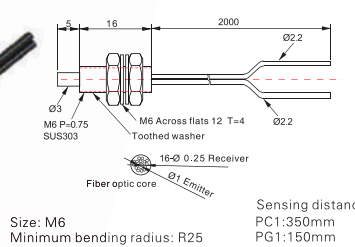
**PD-C42**



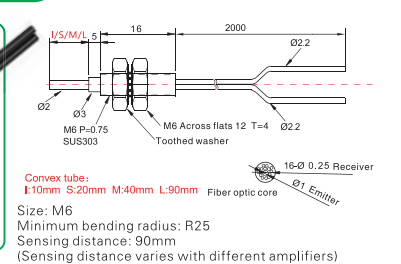
**PD-C42-I/S/M/L**



**PD-C62**



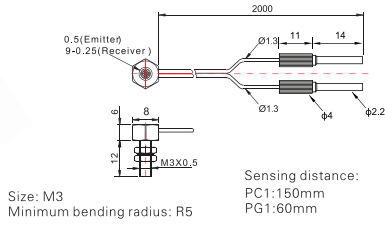
**PD-C62-I/S/M/L**



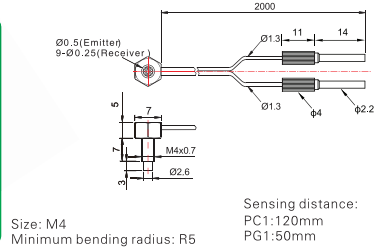
\*PG1: TEGA with a threshold setting of 200;  
PC1: 7-step with a threshold setting of 200.  
\*Cable length listed above can be customized.

Diffuse reflection

PD-C32TZ

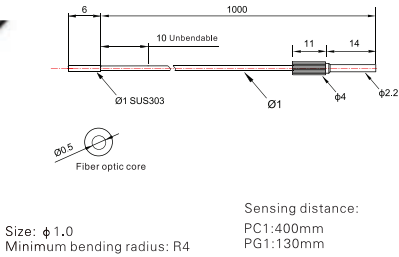


PD-C42TZ

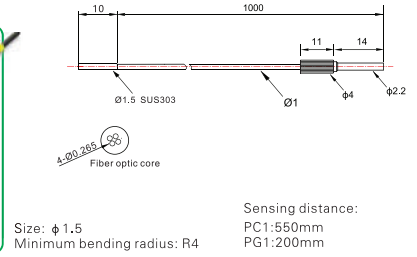


Thru-beam

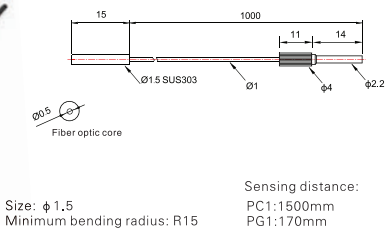
PT-R58V



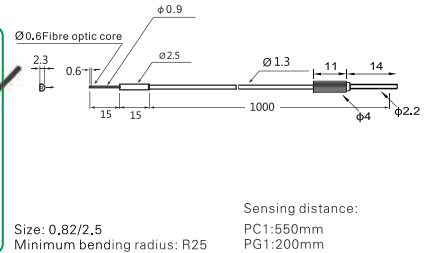
PT-R59



PT-S1520-Q



PT-G32



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

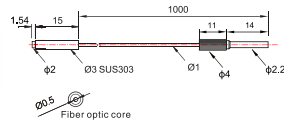
Fiber lens

Fiber lens

\*PG1: TEGA with a threshold setting of 200;  
\*PC1: 7-step with a threshold setting of 200.  
\*Cable length listed above can be customized.

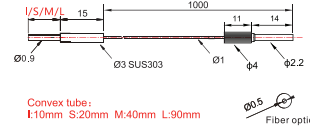
**Thru-beam**

**PT-S31-Q**



Size:  $\phi 3$   
 Minimum bending radius: R15  
 Sensing distance: 140mm  
 (Sensing distance varies with different amplifiers)

**PT-S31-Q-I/S/M/L**

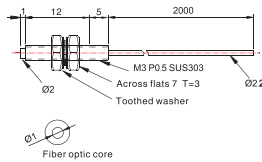


Convex tube:  
 I:10mm S:20mm M:40mm L:90mm

Size:  $\phi 3$   
 Minimum bending radius: R15

Sensing distance:  
 PC1:1000mm  
 PG1:180mm

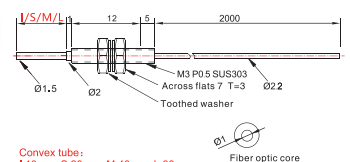
**PT-32**



Size: M3  
 Minimum bending radius: R25

Sensing distance:  
 PC1:1900mm  
 PG1:600mm

**PT-32-I/S/M/L**

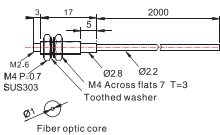


Convex tube:  
 I:10mm S:20mm M:40mm L:90mm

Size: M3  
 Minimum bending radius: R25

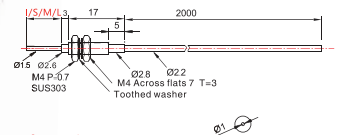
Sensing distance:  
 PC1:1900mm  
 PG1:700mm

**PT-42**



Size: M4  
 Minimum bending radius: R25  
 Sensing distance: 500mm  
 (Sensing distance varies with different amplifiers)

**PT-42-I/S/M/L**

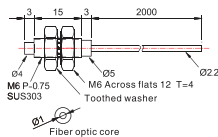


Convex tube:  
 I:10mm S:20mm M:40mm L:90mm

Size: M4  
 Minimum bending radius: R25

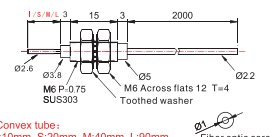
Sensing distance:  
 PC1:1800mm  
 PG1:400mm

**PT-62**



Size: M6  
 Minimum bending radius: R25  
 Sensing distance: 1500mm  
 (Sensing distance varies with different amplifiers)

**PT-62-I/S/M/L**

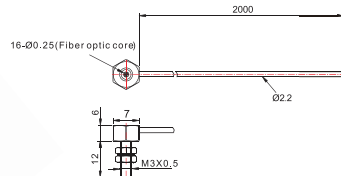


Convex tube:  
 I:10mm S:20mm M:40mm L:90mm

Size: M6  
 Minimum bending radius: R25

Sensing distance:  
 PC1:4000mm  
 PG1:600mm

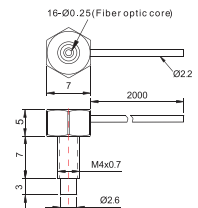
**PT-C32TZ**



Size: M3  
 Minimum bending radius: R5

Sensing distance:  
 PC1:1300mm  
 PG1:500mm

**PT-C42TZ**



Size: M4  
 Minimum bending radius: R15

Sensing distance:  
 PC1:1500mm  
 PG1:600mm

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

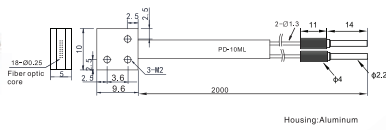
Fiber components
Popular type
Array-type
Flat bracket type
Side-view type
High elastic type
High temperature resistant
Small spot type
Combination type
High end type

Fiber lens
Fiber lens

\*PG1: TEGA with a threshold setting of 200;  
 PC1: 7-step with a threshold setting of 200.  
 \*Cable length listed above can be customized.

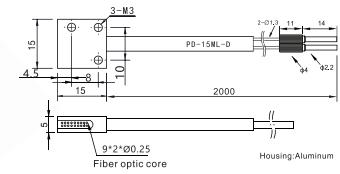
## Diffuse reflection

### PD-10ML



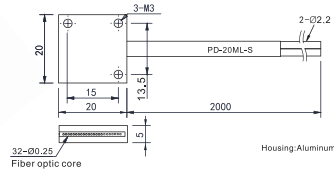
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:250mm  
 PG1:80mm

### PD-15ML-D



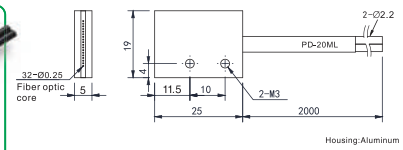
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:250mm  
 PG1:80mm

### PD-20ML-S



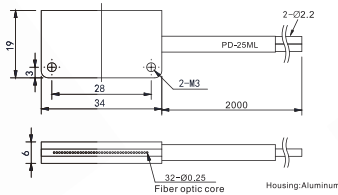
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:350mm  
 PG1:150mm

### PD-20ML



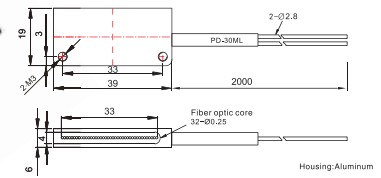
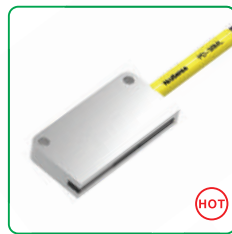
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:530mm  
 PG1:140mm

### PD-25ML



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 2mm  
 Sensing distance:  
 PC1:300mm  
 PG1:150mm

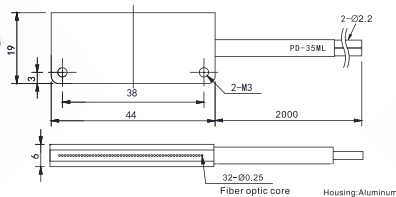
### PD-30ML



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 4mm  
 Sensing distance:  
 PC1:300mm  
 PG1:150mm

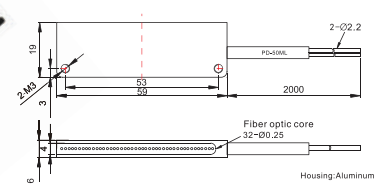
**HOT**

### PD-35ML



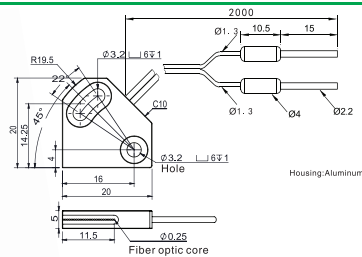
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 6mm  
 Sensing distance:  
 PC1:450mm  
 PG1:120mm

### PD-50ML



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 10mm  
 Sensing distance:  
 PC1:260mm  
 PG1:130mm

### PD-A10



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:200mm  
 PG1:95mm

#### 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

Color sensor

#### 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

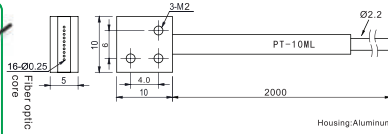
#### Fiber lens

Fiber lens

\*PG1: TEGA with a threshold setting of 200;  
 PC1: 7-step with a threshold setting of 200.  
 \*Cable length listed above can be customized.

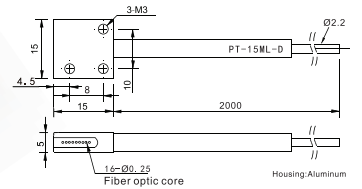
Thru-beam

PT-10ML



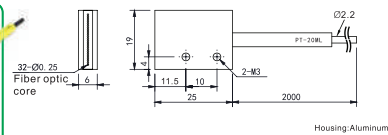
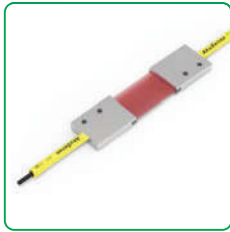
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.1mm  
 Sensing distance:  
 PC1:1500mm  
 PG1:550mm

PT-15ML-D



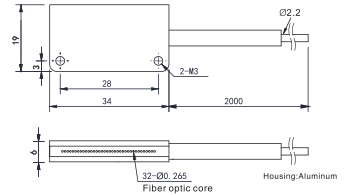
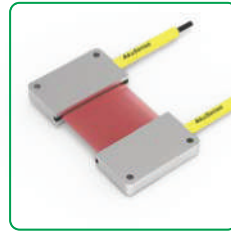
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.5mm  
 Sensing distance:  
 PC1:1200mm  
 PG1:550mm

PT-20ML



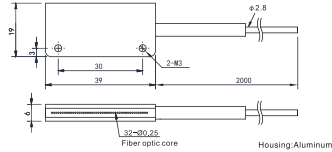
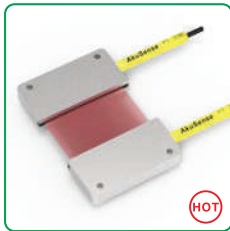
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.5mm  
 Sensing distance:  
 PC1:1500mm  
 PG1:600mm

PT-25ML



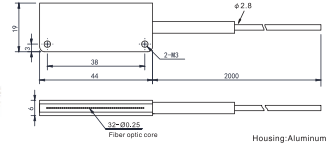
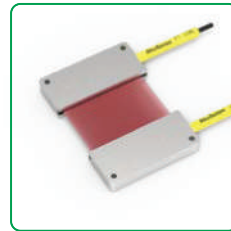
Minimum bending radius: R2  
 Min-size Detected object:  $\phi$ 2.0mm  
 Sensing distance:  
 PC1:1000mm  
 PG1:600mm

PT-30ML



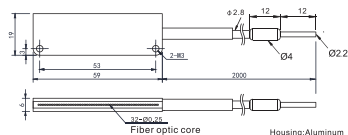
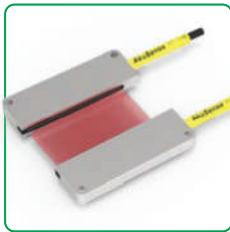
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 3.0mm  
 Sensing distance:  
 PC1:3000mm  
 PG1:1000mm

PT-35ML



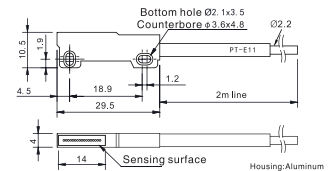
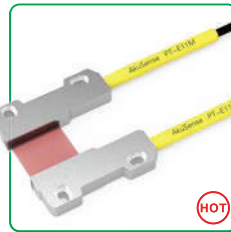
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 4.0mm  
 Sensing distance:  
 PC1:1000mm  
 PG1:550mm

PT-50ML



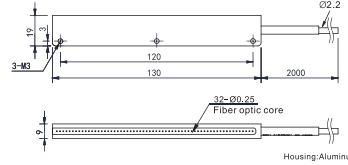
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 5.0mm  
 Sensing distance:  
 PC1:1100mm  
 PG1:600mm

PT-E11M



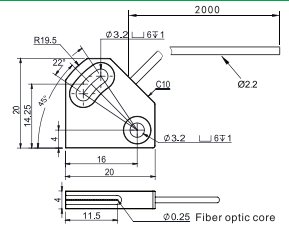
Minimum bending radius: R2  
 Sensing distance: 3000mm  
 Min-size Detected object:  $\phi$ 1.0mm  
 (Sensing distance varies with different amplifiers)

PT-120ML



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 30mm  
 Sensing distance:  
 PC1:4000mm  
 PG1:1200mm

PT-A10



Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.05mm  
 Sensing distance:  
 PC1:3000mm  
 PG1:650mm

\*PG1: TEGA with a threshold setting of 200;  
 PC1: 7-step with a threshold setting of 200.  
 \*Cable length listed above can be customized.

- 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

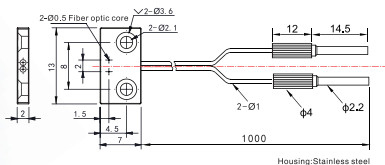
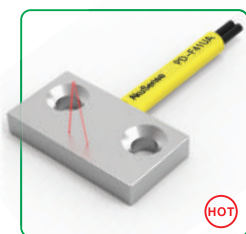
Fiber lens

- Fiber lens



**Diffuse reflection**

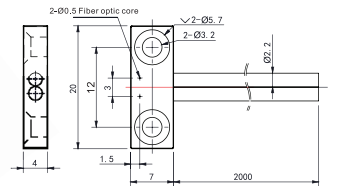
**PD-F41UA**



Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:80mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:30mm

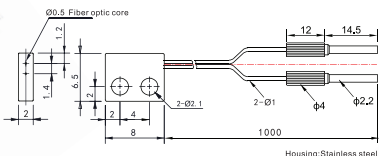
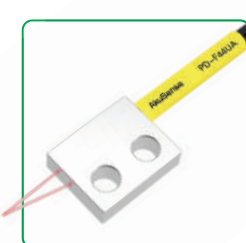


**PD-F42UA**



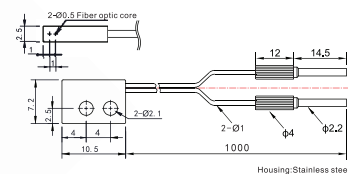
Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:160mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:120mm

**PD-F44UA**



Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:120mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:55mm

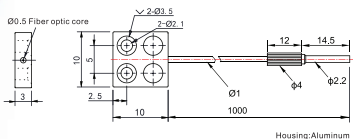
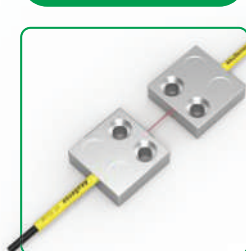
**PD-F47UA**



Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:80mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:25mm

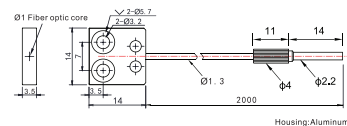
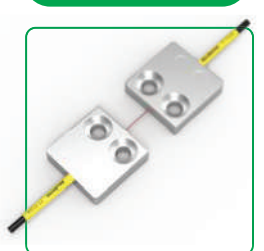
**Thru-beam**

**PT-F51UA**



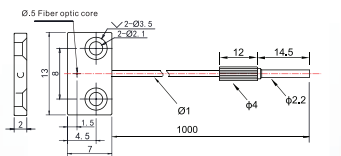
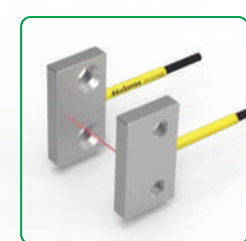
Housing:Aluminum  
Sensing distance:  
Minimum bending radius: R2 PC1:400mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:130mm

**PT-F52UA**



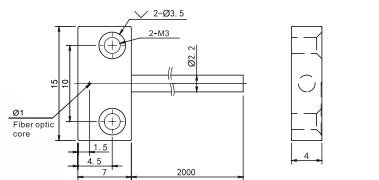
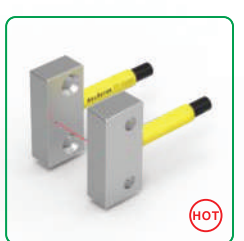
Housing:Aluminum  
Sensing distance: 1900mm  
Minimum bending radius: R2  
Min-size Detected object:  $\phi$ 0.05mm  
(Sensing distance varies with different amplifiers)

**PT-F53UA**



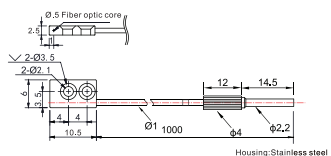
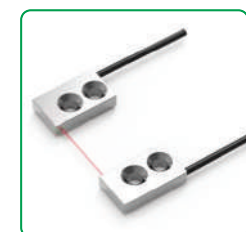
Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:210mm  
Sensing distance: 340mm  
Min-size Detected object:  $\phi$ 0.05mm  
(Sensing distance varies with different amplifiers) PG1:80mm

**PT-F54UA**



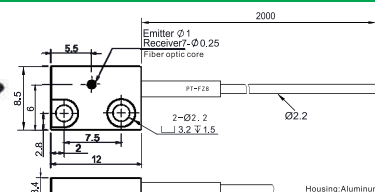
Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:1300mm  
Min-size Detected object:  $\phi$ 0.05mm PG1:450mm

**PT-F57UA**



Housing:Stainless steel  
Sensing distance:  
Minimum bending radius: R2 PC1:400mm  
Sensing distance: 480mm  
Min-size Detected object:  $\phi$ 0.05mm  
(Sensing distance varies with different amplifiers) PG1:100mm

**PT-FZ8**



Housing:Aluminum  
Sensing distance:  
Minimum bending radius: R15 PC1:400mm  
Sensing distance: 120mm  
Min-size Detected object:  $\phi$ 0.1mm  
(Sensing distance varies with different amplifiers)

\*PG1: TEGA with a threshold setting of 200;  
PC1: 7-step with a threshold setting of 200.  
\*Cable length listed above can be customized.

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

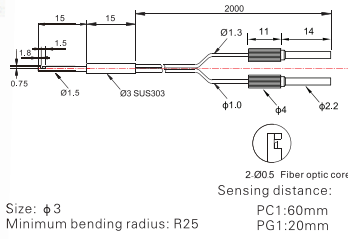
- Popular type
- Array-type
- Flat bracket type**
- Side-view type
- High elastic type
- High temperature resistant
- Small spot type
- Combination type
- High end type

Fiber lens

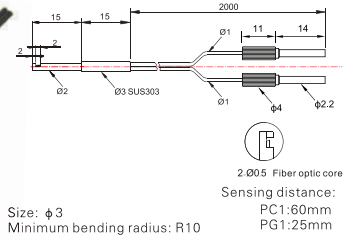
- Fiber lens

### Diffuse reflection

#### PD-32-DQ

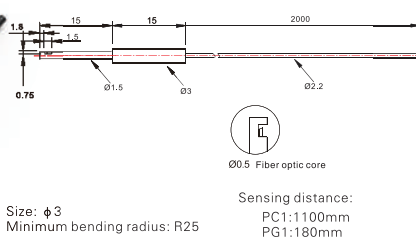


#### PD-32-SQ

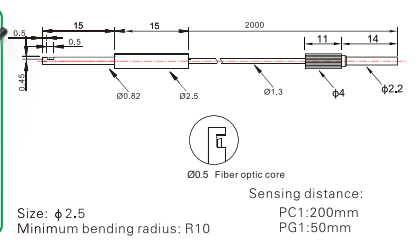


### Thru-beam

#### PT-32-DQ



#### PT-32-SQ



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

Color sensor

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