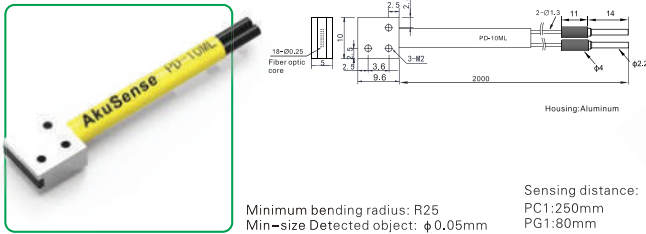


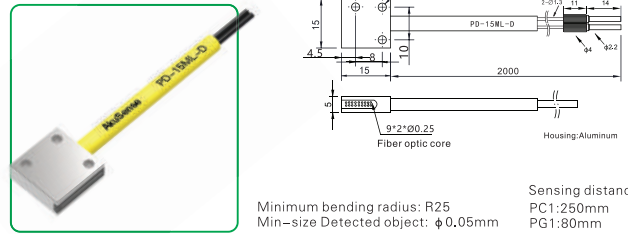
### Diffuse reflection

#### PD-10ML



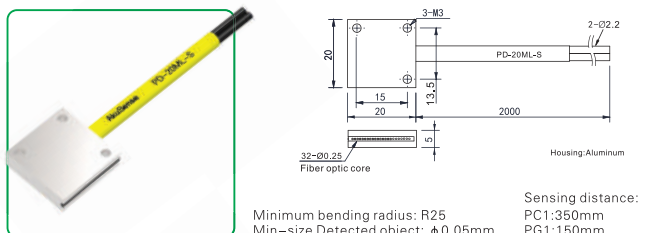
Minimum bending radius: R25  
 Min-size Detected object: φ0.05mm  
 Sensing distance:  
 PC1:250mm  
 PG1:80mm

#### PD-15ML-D



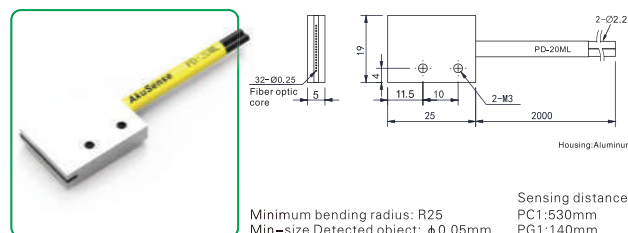
Minimum bending radius: R25  
 Min-size Detected object: φ0.05mm  
 Sensing distance:  
 PC1:250mm  
 PG1:80mm

#### PD-20ML-S



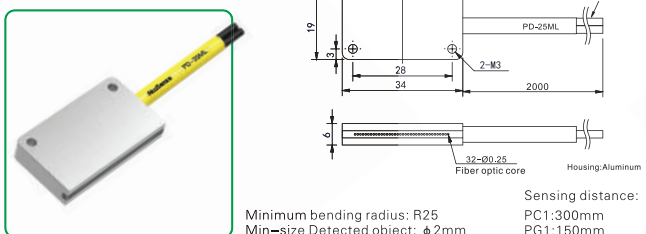
Minimum bending radius: R25  
 Min-size Detected object: φ0.05mm  
 Sensing distance:  
 PC1:350mm  
 PG1:150mm

#### PD-20ML



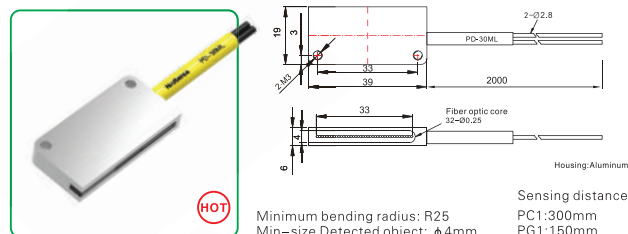
Minimum bending radius: R25  
 Min-size Detected object: φ0.05mm  
 Sensing distance:  
 PC1:530mm  
 PG1:140mm

#### PD-25ML



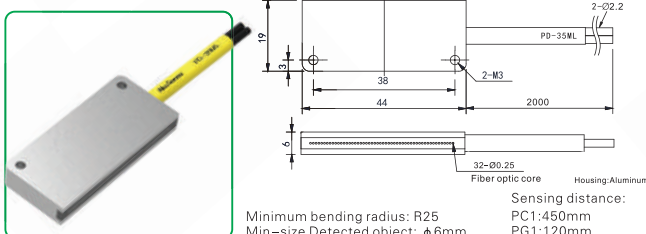
Minimum bending radius: R25  
 Min-size Detected object: φ2mm  
 Sensing distance:  
 PC1:300mm  
 PG1:150mm

#### PD-30ML



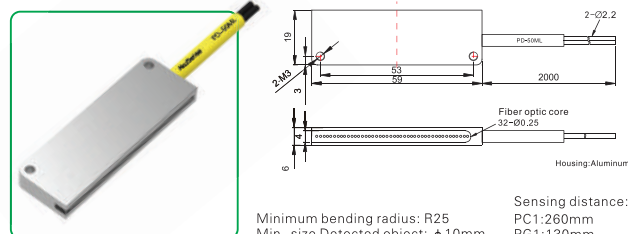
Minimum bending radius: R25  
 Min-size Detected object: φ4mm  
 Sensing distance:  
 PC1:300mm  
 PG1:150mm

#### PD-35ML



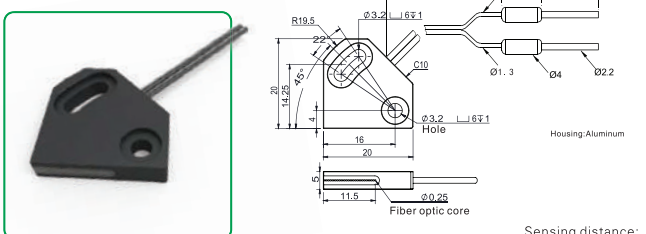
Minimum bending radius: R25  
 Min-size Detected object: φ6mm  
 Sensing distance:  
 PC1:450mm  
 PG1:120mm

#### PD-50ML



Minimum bending radius: R25  
 Min-size Detected object: φ10mm  
 Sensing distance:  
 PC1:260mm  
 PG1:130mm

#### PD-A10



Minimum bending radius: R25  
 Min-size Detected object: φ0.05mm  
 Sensing distance:  
 PC1:200mm  
 PG1:95mm

Fiber optic

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

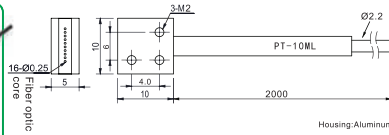
Popular type
Array-type
Flat bracket type
Side-view type
High elastic type
High temperature resistant
Small spot type
Combination type
High end type

Fiber lens

Fiber lens
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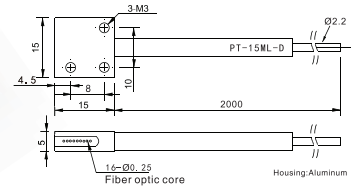
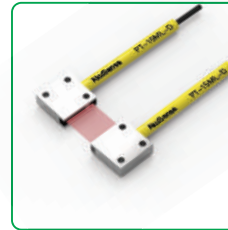
**Thru-beam**

**PT-10ML**



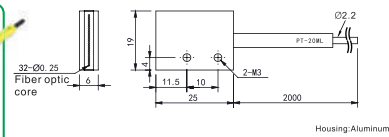
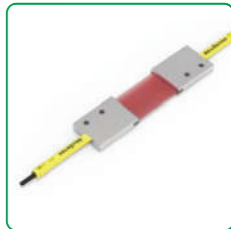
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.1mm  
 Sensing distance:  
 PC1:1500mm  
 PG1:550mm

**PT-15ML-D**



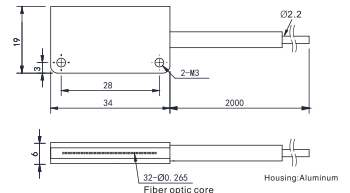
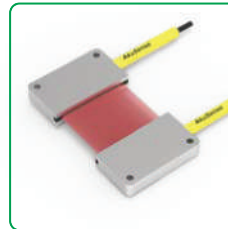
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.5mm  
 Sensing distance:  
 PC1:1200mm  
 PG1:550mm

**PT-20ML**



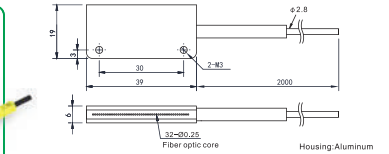
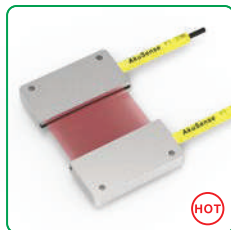
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 0.5mm  
 Sensing distance:  
 PC1:1500mm  
 PG1:600mm

**PT-25ML**



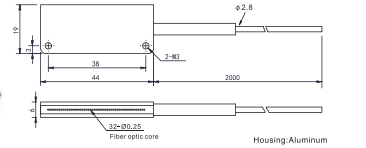
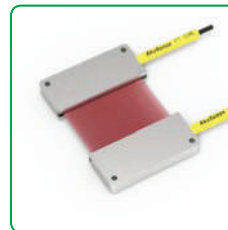
Minimum bending radius: R2  
 Min-size Detected object:  $\phi$ 2.0mm  
 Sensing distance:  
 PC1:1000mm  
 PG1:600mm

**PT-30ML**



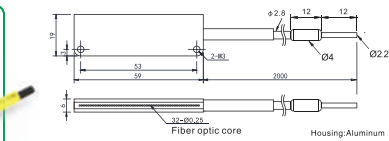
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 3.0mm  
 Sensing distance:  
 PC1:3000mm  
 PG1:1000mm

**PT-35ML**



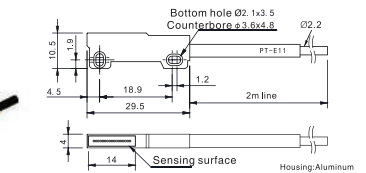
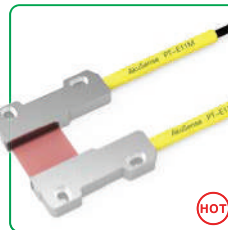
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 4.0mm  
 Sensing distance:  
 PC1:1000mm  
 PG1:550mm

**PT-50ML**



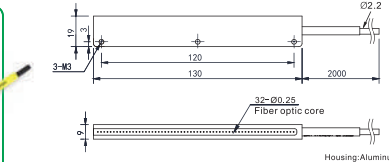
Minimum bending radius: R25  
 Min-size Detected object:  $\phi$ 5.0mm  
 Sensing distance:  
 PC1:1100mm  
 PG1:600mm

**PT-E11M**



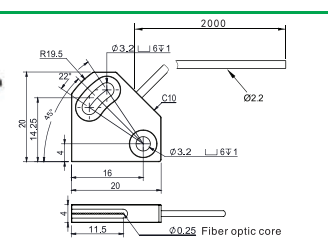
Minimum bending radius: R2  
 Sensing distance: 3000mm  
 Min-size Detected object:  $\phi$ 1.0mm  
 (Sensing distance varies with different amplifiers)

**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

- 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