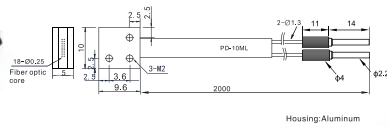


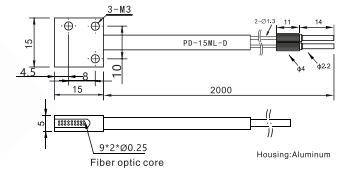
## Diffuse reflection

**PD-10ML**



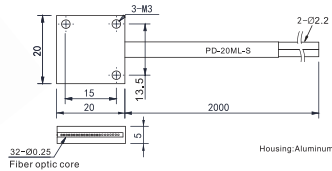
Minimum bending radius: R25  
Min-size Detected object:  $\phi 0.05\text{mm}$

# PD-15ML-D



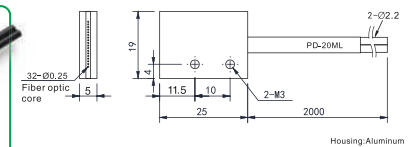
|                                                |                   |
|------------------------------------------------|-------------------|
| Minimum bending radius: R25                    | Sensing distance: |
| Min-size Detected object: $\phi 0.05\text{mm}$ | PC1:250mm         |
|               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

## PD-20ML-S



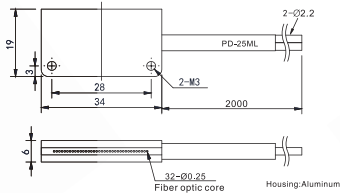
|                                                |                   |
|------------------------------------------------|-------------------|
| Minimum bending radius: R25                    | Sensing distance: |
| Min-size Detected object: $\phi 0.05\text{mm}$ | PC1:350mm         |
|               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

**PD-20ML**



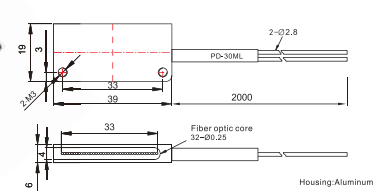
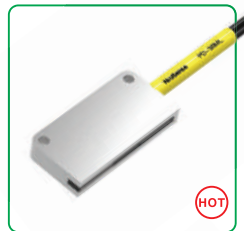
|                                         |                   |
|-----------------------------------------|-------------------|
| Minimum bending radius: R25             | Sensing distance: |
| Min-size Detected object: $\phi$ 0.05mm | PC1:530mm         |
|                                         | PG1:140mm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

**PD-25ML**



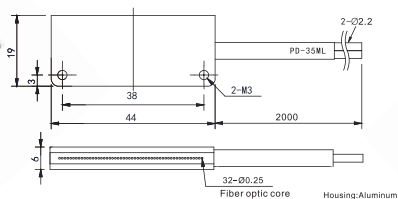
|                                      |                   |
|--------------------------------------|-------------------|
| Minimum bending radius: R25          | Sensing distance: |
| Min-size Detected object: $\phi$ 2mm | PC1:300mm         |
|                                      | PG1:150mm      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

**PD-30ML**



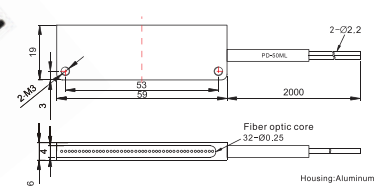
|                                      |                   |
|--------------------------------------|-------------------|
| Minimum bending radius: R25          | Sensing distance: |
| Min-size Detected object: $\phi$ 4mm | PC1:300mm         |
|                                      | PG1:150mm      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

# PD-35ML



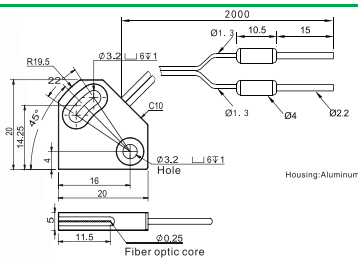
|                                             |                   |
|---------------------------------------------|-------------------|
| Minimum bending radius: R25                 | Sensing distance: |
| Min-size Detected object: $\phi 6\text{mm}$ | PC1:450mm         |
|                           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

**PD-50ML**



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

## PD-A10



|                                                |                   |
|------------------------------------------------|-------------------|
| Minimum bending radius: R25                    | Sensing distance: |
| Min-size Detected object: $\phi 0.05\text{mm}$ | 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          |

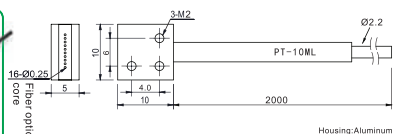
### Fiber components

|                            |
|----------------------------|
| 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

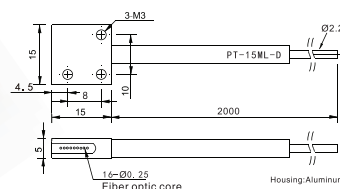
Fiber lens

## PT-10ML



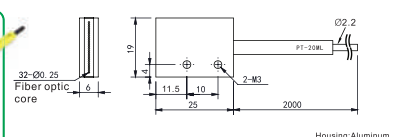
Sensing distance:  
PC1:1500mm  
PG1:550mm

## PT-15ML-D



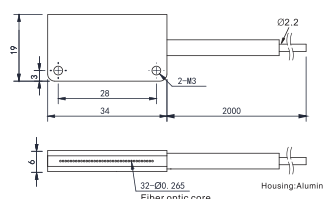
Sensing distance:  
PC1:1200mm  
PG1:550mm

## PT-20ML



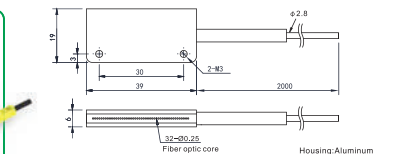
Sensing distance:  
PC1:1500mm  
PG1:600mm

## PT-25ML



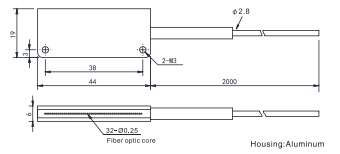
Sensing distance:  
PC1:1000mm  
PG1:600mm

## PT-30ML



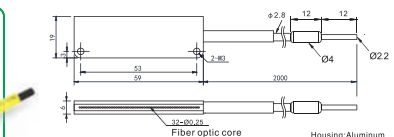
Sensing distance:  
PC1:3000mm  
PG1:1000mm

## PT-35ML



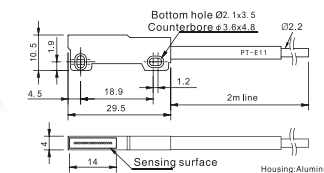
Sensing distance:  
PC1:1000mm  
PG1:550mm

## PT-50ML



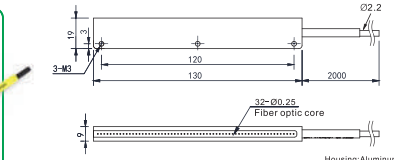
Sensing distance:  
PC1:1100mm  
PG1:600mm

## PT-E11M



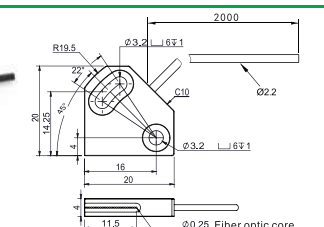
Minimum bending radius: R2  
Sensing distance: 3000mm  
Min-size Detected object:  $\phi 1.0\text{mm}$   
(Sensing distance varies with different amplifiers)

## PT-120ML



Sensing distance:  
PC1:4000mm  
PG1:1200mm

## PT-A10



Sensing distance:  
PC1:3000mm  
PG1:650mm

Fiber lens