Fiber Optic Sensors

- Optical fiber amplifiers operated with automatic light compensation technology to effectively guarantee the stability of detection.
- Full range of optical fiber components can work as perfect replacement for popular models in the market.
- Customization is available according to the users' on-site applications.
- Abundant inventory, quick response and fast delivery.

PG1 Dual Digital Display Fiber Optic Amplifier

- With automatic light compensation technology, 4–channel anti–light interference
- Small hysteresis, dual output for option, the fastest speed up to 13 μ s

P.A-04

PE1 Standard Dual Digital Fiber Amplifier

- Automatic light compensation technology and great adaptability for less maintenance.
- Six adjustable response speeds, up to 50μs small hyteresis ;
- High power mode for longer detection distances.

P.A-05

PC1 Ultra High Speed Response Dual Digital Display Fiber Optic Amplifier

- Fastest response time in the industry (15ms)
- Digital display of red and green lights for comparison, easy to set up
- Unique technology for light compensation, stable detection

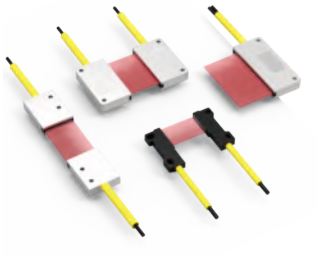
P.A-07

Guidance

Regular Type

- Imported fiber optic core, wonderful performance
- Long sensing distance, cost–effective

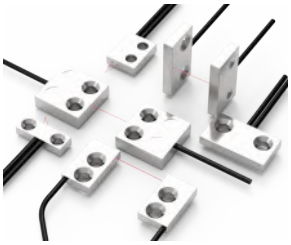
P.A-08



Array-type

- Suitable for moving object detection
- To detect unclear position objects

P.A-12



Flat Bracket Type

- Flexible installation, easy to fix
- Suitable for limited space

P.A-14

Side-view Type

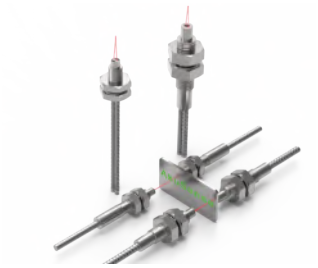
- To detect objects in narrow space
- Easy access to detected objects with high precision

P.A-15

High Elasticity Type

- Good performance with excellent flexibility
- After bending at angles of 90 degree, transmission ability only reduces 10%

P.A-16



High Temperature Resistant Type

- Heat resistant stainless steel jacket, strong chemical resistance
- Withstand temperatures up to 350℃.

P.A-17

Small Spot Type

- Built–in lens, small beam spot
- Customizable high–flex optical fiber cables

P.A-18

Combination Type

- Several fiber units combined together
- Customicable fiber length to tail your needs

P.A-19

High End Type

- Pioneering hot melt leveling technology
- Metal protective cap design

P.A-20

Lens

- Offering a full range specifications that can replace most of the popular products in the market
- Thru–beam and diffuse reflection types are optional.

P.A-20

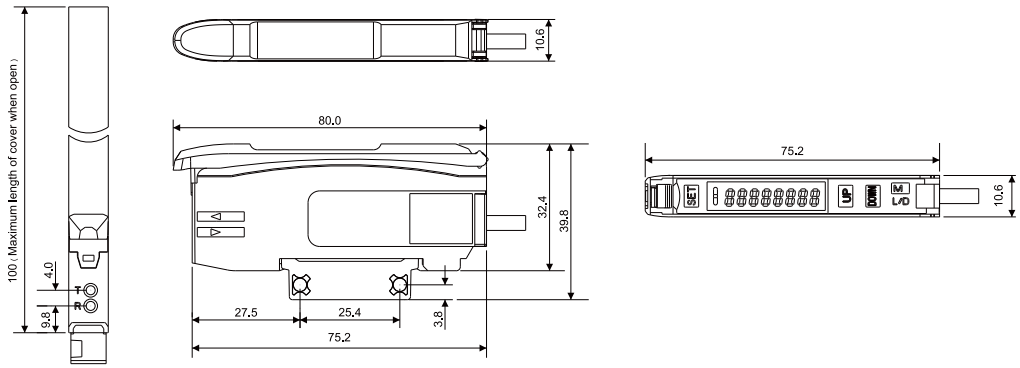
PG1 Dual Digital Display Fiber Optic Amplifier

- With automatic light compensation technology, 4–channel anti–light interference
- Small hysteresis, dual output selectable, the fastest speed up to 13 μ s

Model No.	PG1-N HOT	PG1-P
Control output	1 output port	
Light source	Red, 4–element LED	
Response time	SHP: 13 μ s, FINE: 30 μ s, SUPR: 100 μ s, MEGA: 200 μ s	
Output selection	LIGHT–ON/DARK–ON (Short press MODE and select with UP DOWN)	
Display indicator	Operation indicator: Red LED, dual digital monitor: Dual 7–digit display, threshold (4–digit green LED body indicator) and current value (4–digit red LED body indicator) lit together. Current value range: 0–9999	
Detection method	Light intensity (area detection is available for automatic sensitive tracking)	
Delay function	1ms~9999ms	
Control output	NPN open collector, maximum 100mA, residual voltage: 1V	PNP open collector, maximum 100mA, residual voltage: 1V
Power supply	12~24V DC ± 10%	
Ambient illuminance	Incandescent lamp ≤ 20,000 lux, Sunlight ≤ 30000 Lux	
Power consumption	Standard mode: Max 300mW	
Vibration resistance	10~55Hz, double amplitude: 1.5mm, X, Y, Z axis are 2 hours respectively	
Ambient temperature	–10℃~+55℃,No freezing	

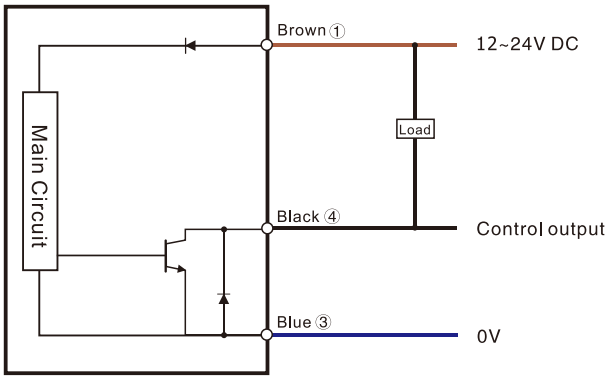
Dimensions

Unit: mm

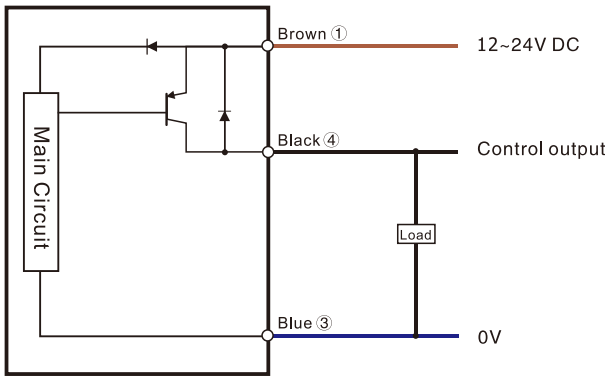


Circuit diagram

NPN



PNP



Standard

Fiber optic amplifiers

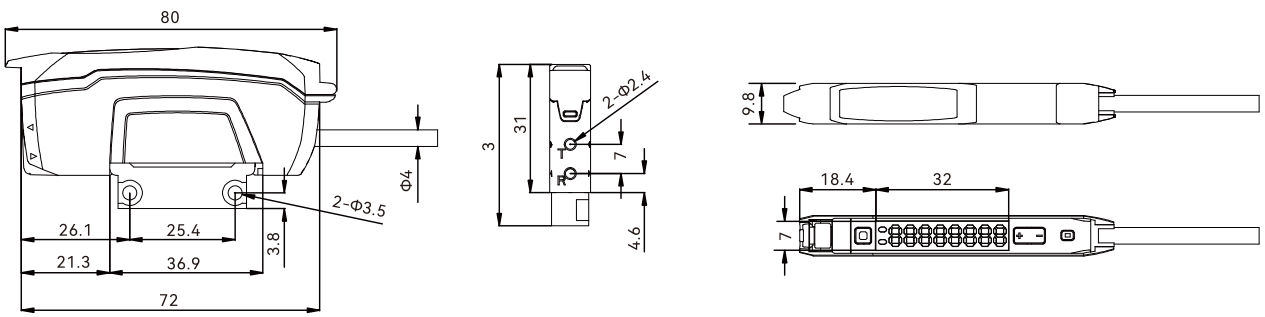
PE1 Standard Dual Digital Fiber Optic Amplifier

- No more tedious operations, easy one-touch teaching;
- With automatic light compensation technology,great adaptability with less maintenance;
- Six adjustable response speeds, small hyteresis up to 50 μs.

Model	PE1-N	PE1-P
Light source	Red modulated light （650nm）	
Operating voltage	12-24V	
Operating current	40mA	
Output type	NPN open collector	PNP open collector
Switch type	L.on /D.on selectable	
Display	7 segment 8 digit display (red: 4 digit. green: 4 digit)	
Response time	50μs (HIGH SPEED)/250μs (FINE)/500μs (TURBO)/1 ms (SUPER)/4 ms (ULTRA)/16 ms (MEGA)	
Calculator function	Timer off, break delay, on delay, single (output delay method)	
Sensitivity adjustment	Teach-in adjustment, manual adjustment	
Hyteresis	≤20%SN	
Switch type	L.on /D.on selectable	
Indicator	Work indicator: green; Action indicator: red	
Leakage current	<1.5V （load current<100mA）	
Load current	100mA	
Circuit protection	Power reverse polarity protection / surge protection / short circuit protection	
Ambient temperature	Operating temperature: -20° C to +50° C No freezing, no condensation; storage: -30 to +70° C	
Ambient humidity	Operating: 35%~85%RH, no condensation; Storage: 35%~95%RH	
Insulation	20MΩ	
Pressure resistance	±1000V 50/60Hz 60s	
Static electricity	±8000V(Air discharge)	
Group pulse	±2000V（5kHZ/50kHZ）	
Anti-vibration	10~50Hz amplitude 0.5mm,X Z Y three directions,2 hours each	
Ambient illuminance	Incandescent lamp: ≤3000lux / Sunlight: ≤10000 lux	
Degree of protection	IP50	
Housing material	PC	
Connector	2m 3 wire cable 4mm diameter	

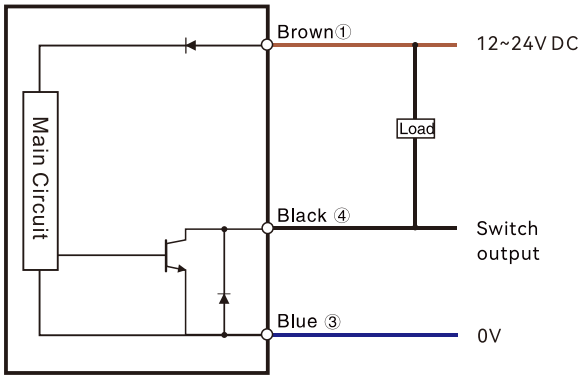
Dimensions

Unit: mm

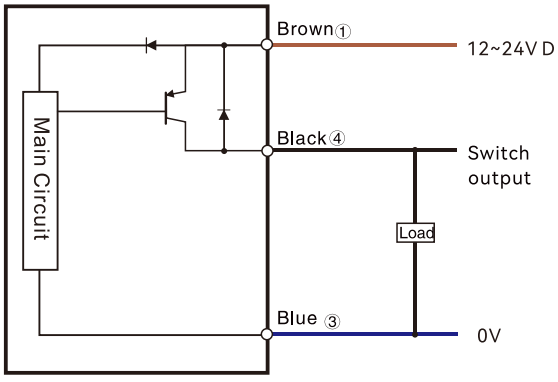


Circuit diagram

NPN



PNP



High Speed Response Type

Fiber Amplifier

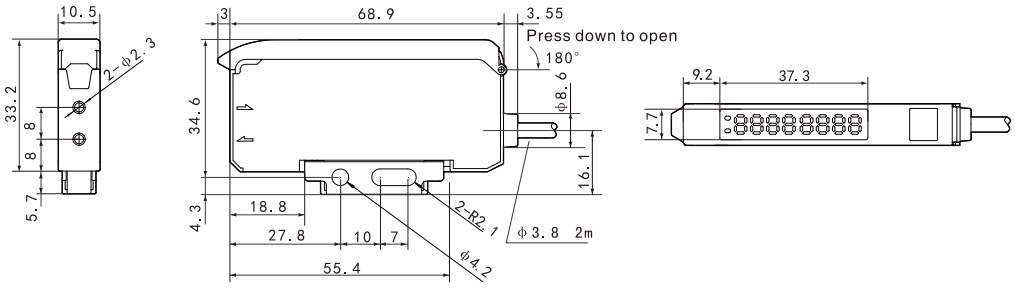
PC1 Ultra High Speed Response Dual Digital Display Fiber Amplifier

- Fastest response time in the industry (15ms)
- Digital display of red and green light in comparison, easy installation
- Unique technology for light compensation, stable detection

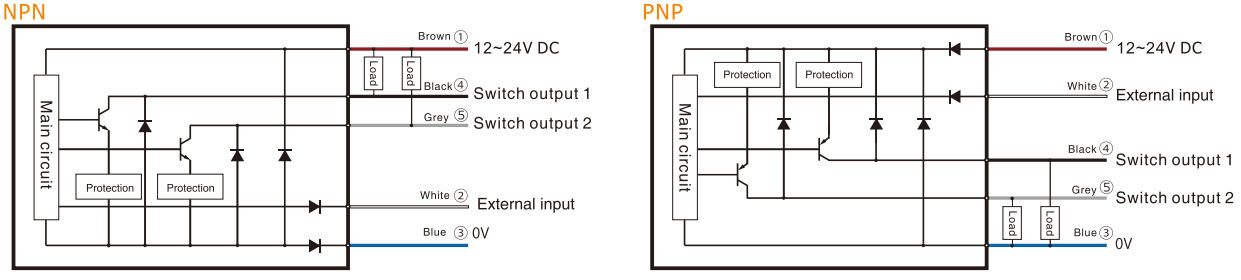
Model No.	PC1-NH	PC1-NH2	PC1-PH	PC1-PH2
Light source	Red LED 660nm			
Operating voltage	12~24V DC			
Current consumption	Standard mode: 36mA max.(Single output)、39mA max.(Dual output)			
	Energy-saving mode: 25mA max.(Single output), 28mA max.(Dual output)			
Output type	Single output NPN	Dual output NPN	Single output PNP	Dual output PNP
	≤100mA / 30V DC, Load current≤100mA, Voltage drop≤1.8V, Normally open (L.on), normally closed (D.on)			
Switch type	Selectable L.on, D.on			
Indicator	Single output indicator (Red), dual output indicator (Orange)			
Display screen	7 segment 8 digit display (red: 4 digit, orange: 4 digit)			
Response time	15 μ s/22us(1-HS), 70 μ s(2-FS), 250 μ s(3-ST), 500 μ s(4-LG), 1ms(5-PL), 2ms(6-UL), 8ms(7-EL)			
ON/OFF Time delay function	ON delay, OFF delay, Single pulse output, ON + OFF delay, ON delay+Single pulse output 0.1~9.999ms			
Sensing distance	Thru-beam: 4000mm, Diffuse reflection: 1200mm			
Sensitivity adjustment	Teach-in / Manual			
External intput function	Remote teach-in , Input stops once it shines, Syn trigger input, reset-input (for two outputs only)			
Operating temperature	-25℃~+55℃			
Operating humidity	35%~85%RH			
Ambient illuminance	Sunlight≤10000lux, Incandescent lamp≤3000lux			
Anti-vibration	10~55Hz Double amplitude 1.5mm, XZY three directions, 2 hours each			
Shock resistance	50G(500m/S²), XYZ three directions			
Degree of protection	IP50			
Material	Housing: PPE, Display: PC			
Connection method	2m 5 core cable			
Weight	50g			

Dimensions

Unit: mm



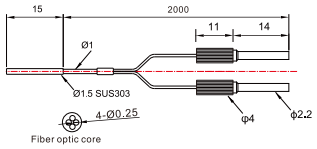
Circuit diagram



Note: Gray line (switching output 2) is only available for the dual channel type (PC1-NH2/PH2).

Diffuse reflection

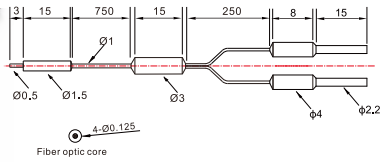
PD-R49Y



Size: ϕ1.5
Minimum bending radius:R2

Sensing distance:
PC1:100mm
PG1:20mm

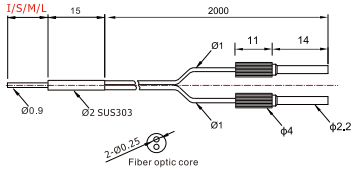
PD-R46



Size: ϕ1.5
Minimum bending radius: R10

Sensing distance:
PC1:30mm
PG1:8mm

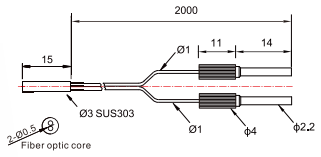
PD-E22-Q-I/S/M/L



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

Size: ϕ2
Minimum bending radius: R10
Sensing distance: 15mm
(Sensing distance varies with different amplifiers)

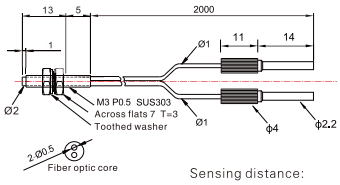
PD-S32-Q



Size: ϕ3
Minimum bending radius: R10

Sensing distance:
PC1:120mm
PG1:40mm

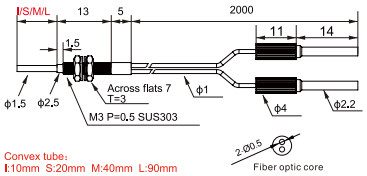
PD-32



Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:120mm
PG1:60mm

PD-32-I/S/M/L

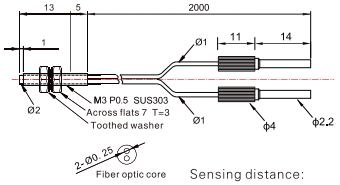


Convex tube:
I:10mm S:20mm M:40mm L:90mm

Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:160mm
PG1:60mm

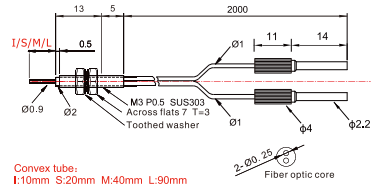
PD-E32



Size: M3
Minimum bending radius: R10
Sensing distance:

Sensing distance:
PC1:30mm
PG1:10mm

PD-E32-I/S/M/L

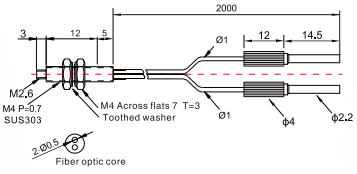


Convex tube:
I:10mm S:20mm M:40mm L:90mm

Size: M3
Minimum bending radius: R10

PC1:30mm
PG1:10mm

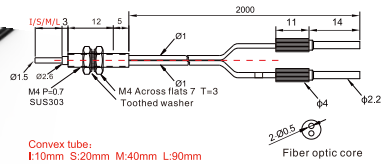
PD-42



Size: M4
Minimum bending radius: R15

Sensing distance:
PC1:120mm
PG1:45mm

PD-42-I/S/M/L



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

Size: M4
Minimum bending radius: R15

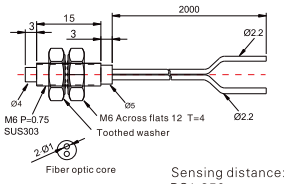
Sensing distance:
PC1:110mm
PG1:45mm

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

Regular type Fiber Components

Diffuse reflection

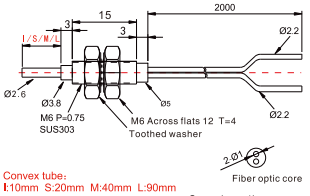
PD-62



Size: M6
Minimum bending radius: R25

Sensing distance:
PC1:350mm
PG1:150mm

PD-62-I/S/M/L



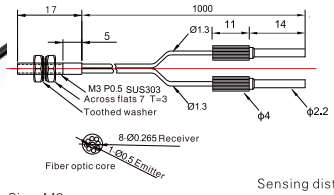
Convex tube:
I:10mm S:20mm M:40mm L:90mm

Size: M6
Minimum bending radius: R25

Sensing distance:
PC1:350mm
PG1:150mm

PD-L35GA

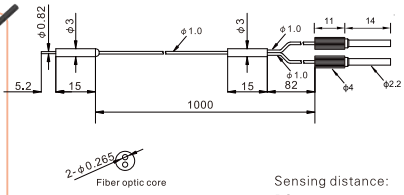
Coaxial



Size: M3
Minimum bending radius: R2

Sensing distance:
PC1:200mm
PG1:85mm

PD-G45Y

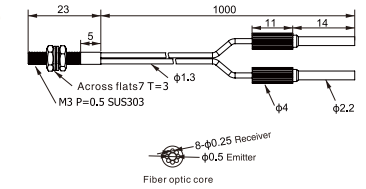


Size: ϕ0.82/3
Minimum bending radius: R4

Sensing distance:
PC1:30mm
PG1:10mm

PD-C310-35FA

Coaxial

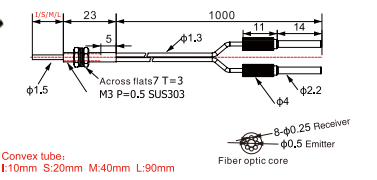


Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:220mm
PG1:90mm

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

Coaxial



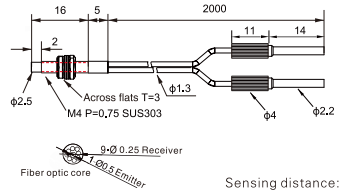
Convex tube:
I:10mm S:20mm M:40mm L:90mm

Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:200mm
PG1:70mm

PD-C42

Coaxial

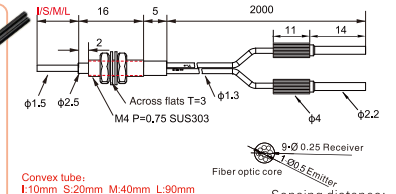


Size: M4
Minimum bending radius: R15

Sensing distance:
PC1:180mm
PG1:60mm

PD-C42-I/S/M/L

Coaxial



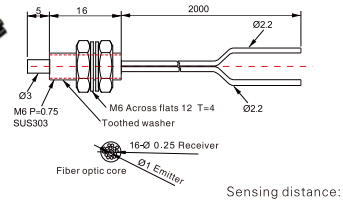
Convex tube:
I:10mm S:20mm M:40mm L:90mm

Size: M4
Minimum bending radius: R15

Sensing distance:
PC1:220mm
PG1:85mm

PD-C62

Coaxial

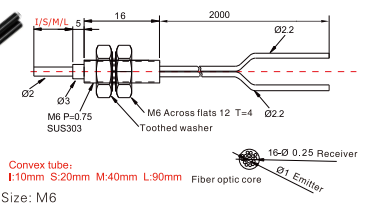


Size: M6
Minimum bending radius: R25

Sensing distance:
PC1:350mm
PG1:150mm

PD-C62-I/S/M/L

Coaxial



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

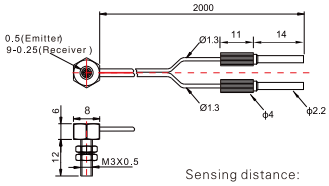
Size: M6
Minimum bending radius: R25
Sensing distance: 90mm
(Sensing distance varies with different amplifiers)

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

Diffuse reflection

PD-C32TZ

Coaxial

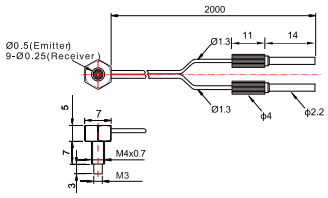


Size: M3
Minimum bending radius: R5

Sensing distance:
PC1:150mm
PG1:60mm

PD-C42TZ

Coaxial

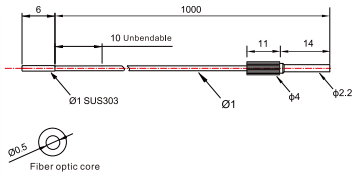


Size: M4
Minimum bending radius: R5

Sensing distance:
PC1:120mm
PG1:50mm

Thru-beam

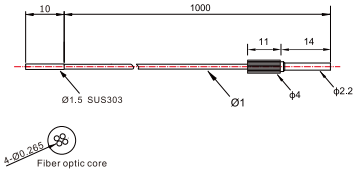
PT-R58V



Size: ϕ1.0
Minimum bending radius: R4

Sensing distance:
PC1:400mm
PG1:130mm

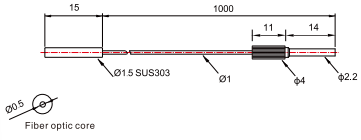
PT-R59



Size: ϕ1.5
Minimum bending radius: R4

Sensing distance:
PC1:550mm
PG1:200mm

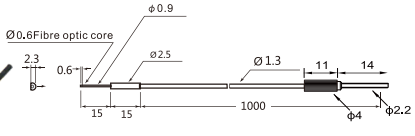
PT-S1520-Q



Size: ϕ1.5
Minimum bending radius: R15

Sensing distance:
PC1:1500mm
PG1:170mm

PT-G32



Size: 0.82/2.5
Minimum bending radius: R25

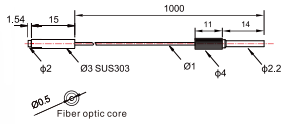
Sensing distance:
PC1:100mm
PG1:40mm

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

Regular type Fiber Components

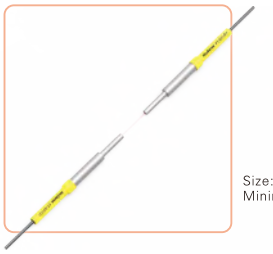
Diffuse reflection

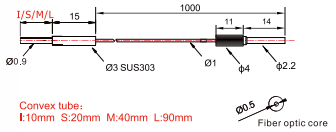
PT-S31-Q



Size: ϕ3
Minimum bending radius: R15
Sensing distance: 140mm
(Sensing distance varies with different amplifiers)

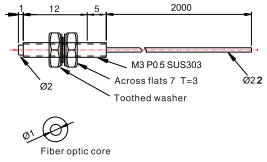
PT-S31-Q-I/S/M/L





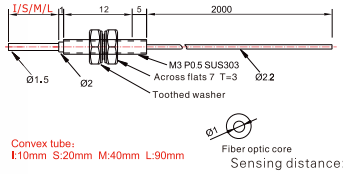
Size: ϕ3
Minimum bending radius: R15
Sensing distance:
PC1:1000mm
PG1:180mm

PT-32



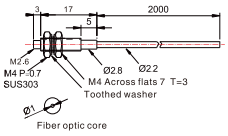
Size: M3
Minimum bending radius: R25
Sensing distance:
PC1:1900mm
PG1:600mm

PT-32-I/S/M/L



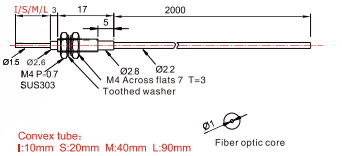
Size: M3
Minimum bending radius: R25
Sensing distance:
PC1:1900mm
PG1:700mm

PT-42



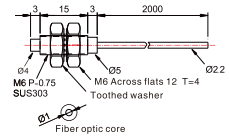
Size: M4
Minimum bending radius: R25
Sensing distance: 500mm
(Sensing distance varies with different amplifiers)
Sensing distance:
PC1:2200mm
PG1:600mm

PT-42-I/S/M/L



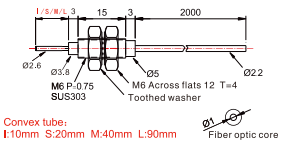
Size: M4
Minimum bending radius: R25
Sensing distance:
PC1:1800mm
PG1:400mm

PT-62



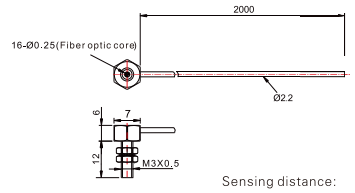
Size: M6
Minimum bending radius: R25
Sensing distance:
PC1:1400mm
PG1:600mm

PT-62-I/S/M/L



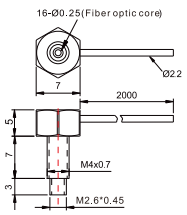
Size: M6
Minimum bending radius: R25
Sensing distance:
PC1:4000mm
PG1:600mm

PT-C32TZ



Size: M3
Minimum bending radius: R5
Sensing distance:
PC1:1300mm
PG1:500mm

PT-C42TZ

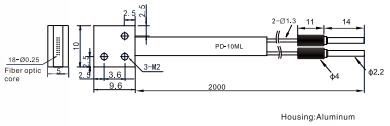


Size: M4
Minimum bending radius: R15
Sensing distance:
PC1:1500mm
PG1:600mm

*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

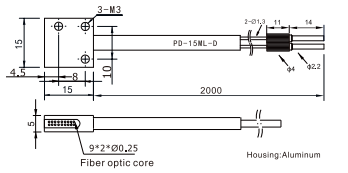
PD-10ML



Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:250mm
PG1:80mm

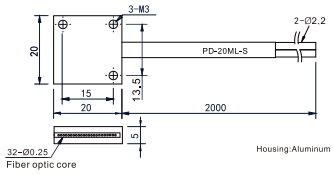
PD-15ML-D



Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:200mm
PG1:85mm

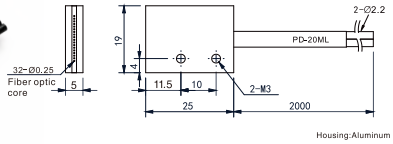
PD-20ML-S



Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:350mm
PG1:150mm

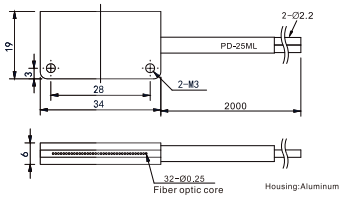
PD-20ML



Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:530mm
PG1:140mm

PD-25ML

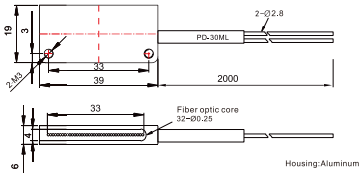


Minimum bending radius: R25
Min-size Detected object: ϕ2mm

Sensing distance:
PC1:300mm
PG1:150mm

PD-30ML

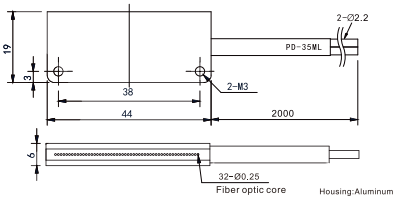
HOT



Minimum bending radius: R25
Min-size Detected object: ϕ4mm

Sensing distance:
PC1:300mm
PG1:150mm

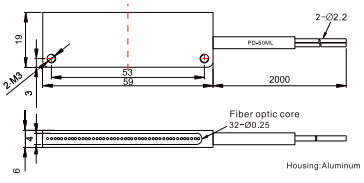
PD-35ML



Minimum bending radius: R25
Min-size Detected object: ϕ6mm

Sensing distance:
PC1:450mm
PG1:120mm

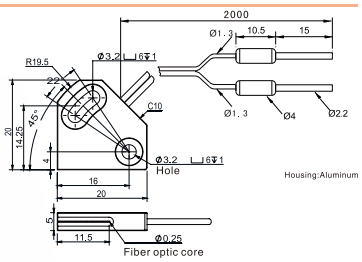
PD-50ML



Minimum bending radius: R25
Min-size Detected object: ϕ10mm

Sensing distance:
PC1:260mm
PG1:130mm

PD-A10



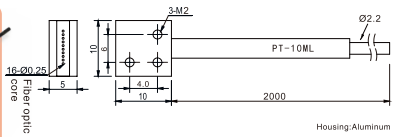
Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:200mm
PG1:95mm

Array-type Fiber Components

Thru-beam

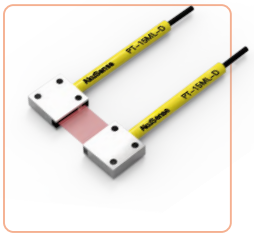
PT-10ML

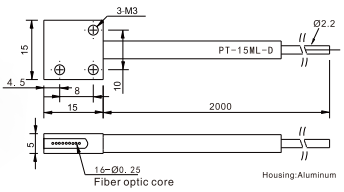


Minimum bending radius: R25
Min-size Detected object: ϕ0.1mm

Sensing distance:
PC1:1500mm
PG1:550mm

PT-15ML-D

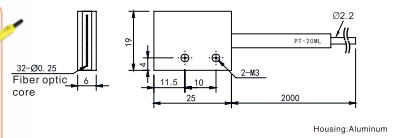




Minimum bending radius: R25
Min-size Detected object: ϕ0.5mm

Sensing distance:
PC1:1200mm
PG1:550mm

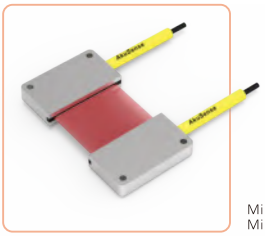
PT-20ML

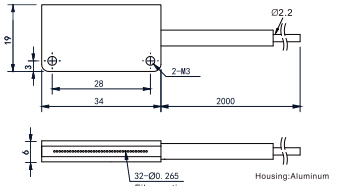


Minimum bending radius: R25
Min-size Detected object: ϕ0.5mm

Sensing distance:
PC1:1500mm
PG1:600mm

PT-25ML

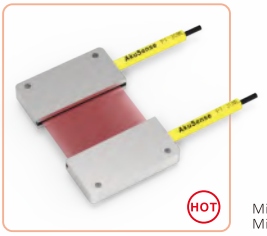


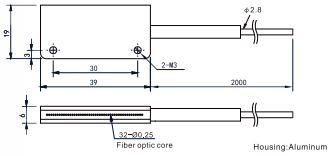


Minimum bending radius: R2
Min-size Detected object: ϕ2.0mm

Sensing distance:
PC1:1000mm
PG1:600mm

PT-30ML

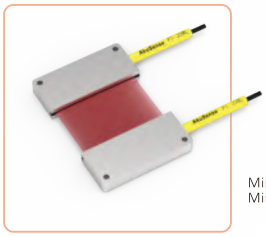


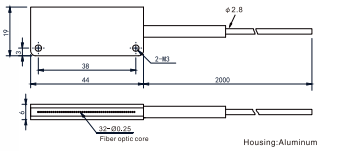


Minimum bending radius: R25
Min-size Detected object: ϕ3.0mm

Sensing distance:
PC1:3000mm
PG1:1000mm

PT-35ML

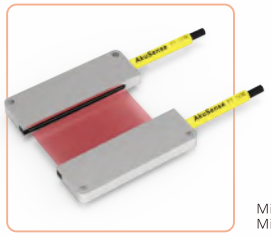


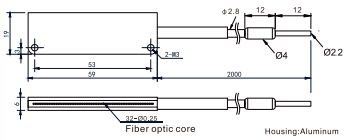


Minimum bending radius: R25
Min-size Detected object: ϕ4.0mm

Sensing distance:
PC1:1000mm
PG1:550mm

PT-50ML

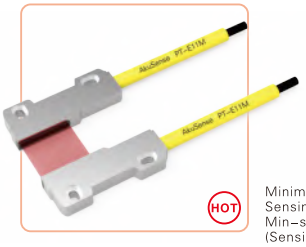


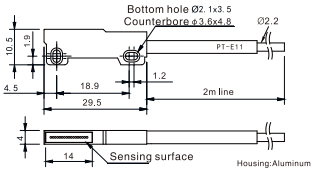


Minimum bending radius: R25
Min-size Detected object: ϕ5.0mm

Sensing distance:
PC1:1100mm
PG1:600mm

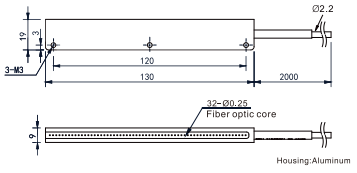
PT-E11M





Minimum bending radius: R2
Sensing distance: 3000mm
Min-size Detected object: ϕ1.0mm
(Sensing distance varies with different amplifiers)

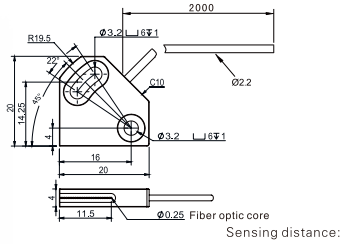
PT-120ML



Minimum bending radius: R25
Min-size Detected object: ϕ30mm

Sensing distance:
PC1:4000mm
PG1:1200mm

PT-A10



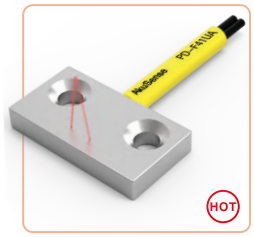
Minimum bending radius: R25
Min-size Detected object: ϕ0.05mm

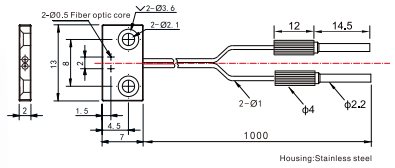
Sensing distance:
PC1:3000mm
PG1:650mm

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

Diffuse reflection

PD-F41UA

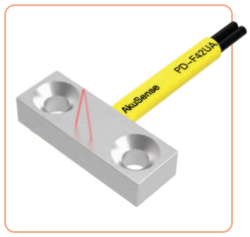


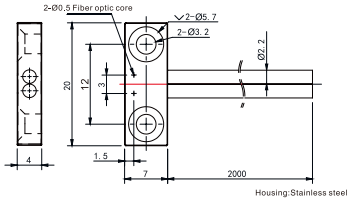


Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:80mm
PG1:30mm

PD-F42UA

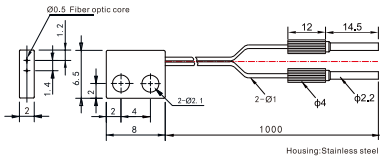




Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:160mm
PG1:120mm

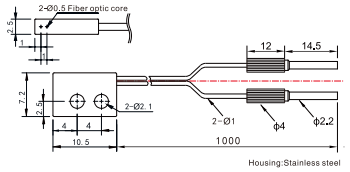
PD-F44UA



Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:120mm
PG1:55mm

PD-F47UA

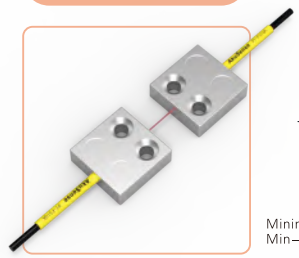


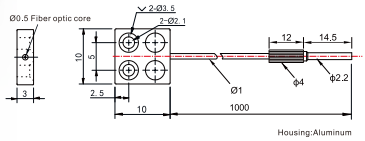
Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:80mm
PG1:25mm

Thru-beam

PT-F51UA

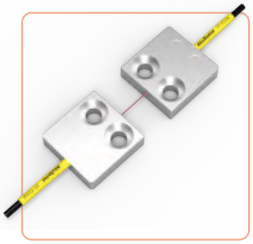


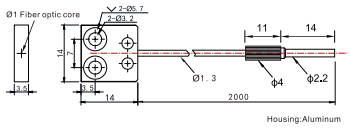


Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:400mm
PG1:130mm

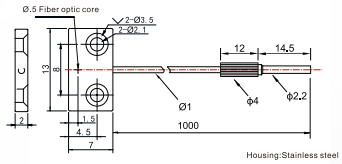
PT-F52UA





Minimum bending radius: R2
Sensing distance: 1900mm
Min-size Detected object: ϕ0.05mm
(Sensing distance varies with different amplifiers)

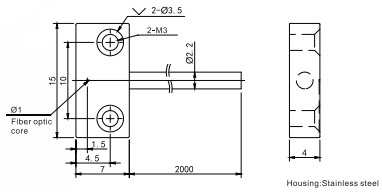
PT-F53UA



Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:210mm
PG1:80mm

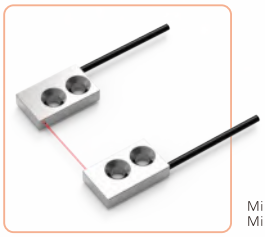
PT-F54UA

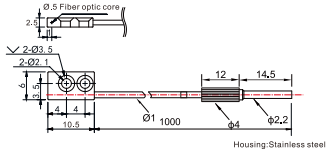


Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:1300mm
PG1:450mm

PT-F57UA

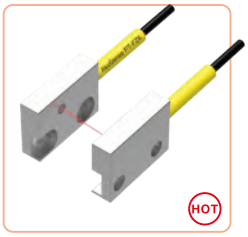


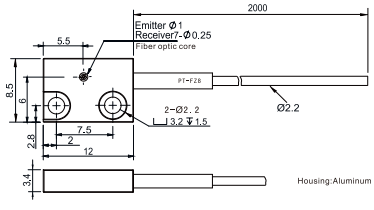


Minimum bending radius: R2
Min-size Detected object: ϕ0.05mm

Sensing distance:
PC1:400mm
PG1:100mm

PT-FZ8





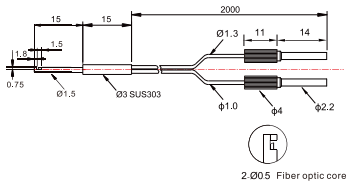
Minimum bending radius: R15
Sensing distance: 120mm
Min-size Detected object: ϕ0.1mm
(Sensing distance varies with different amplifiers)

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

Side-view Type Fiber Components

Diffuse reflection

PD-32-DQ

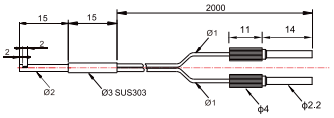


2.Ø0.5 Fiber optic core

Size: ϕ3
Minimum bending radius: R25

Sensing distance:
PC1:60mm
PG1:20mm

PD-32-SQ



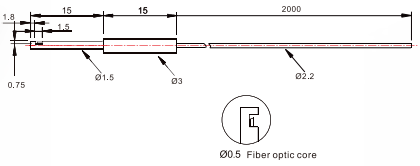
2.Ø0.5 Fiber optic core

Size: ϕ3
Minimum bending radius: R10

Sensing distance:
PC1:60mm
PG1:25mm

Thru-beam

PT-32-DQ

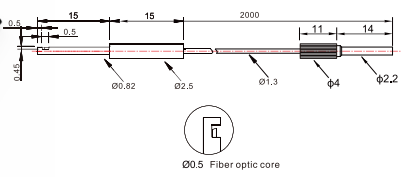


Ø0.5 Fiber optic core

Size: ϕ3
Minimum bending radius: R25

Sensing distance:
PC1:1100mm
PG1:180mm

PT-32-SQ



Ø0.5 Fiber optic core

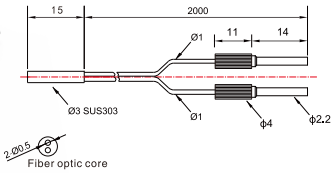
Size: ϕ2.5
Minimum bending radius: R10

Sensing distance:
PC1:200mm
PG1:50mm

*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

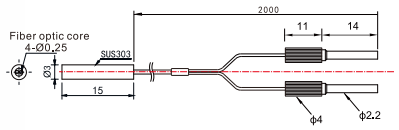
PD-W32-Q



Size: ϕ3
Minimum bending radius: R1

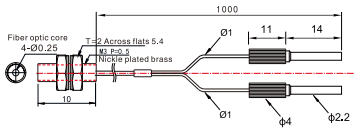
Sensing distance:
PG1:45mm

PD-W48



Size: ϕ3
Minimum bending radius: R4
Sensing distance: 200mm
(Sensing distance varies with different amplifiers)

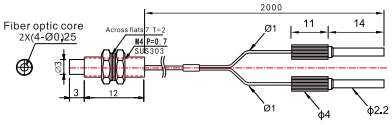
PD-W69Y



Size: M3
Minimum bending radius: R4

Sensing distance:
PC1:110mm
PG1:25mm

PD-W68

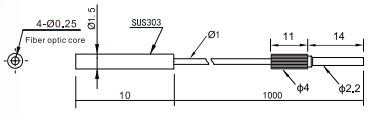


Size: M4
Minimum bending radius: R4

Sensing distance:
PC1:100mm
PG1:40mm

Thru-beam

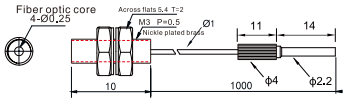
PT-W59



Size: ϕ1.5
Minimum bending radius: R4

Sensing distance:
PC1:350mm
PG1:100mm

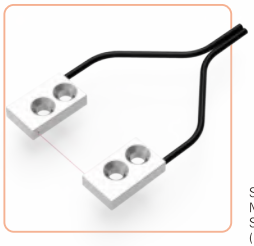
PT-W79

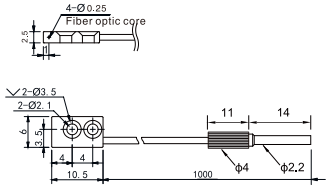


Size: M3
Minimum bending radius: R4

Sensing distance:
PC1:900mm
PG1:120mm

PT-W57UF





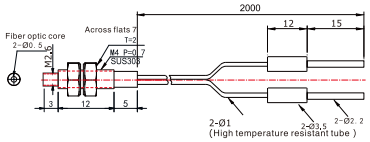
Size: 6*10.5*2.5
Minimum bending radius: R4
Sensing distance: 490mm
(Sensing distance varies with different amplifiers)

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

High Temperature Resistant Type

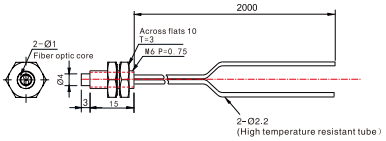
Diffuse reflection

PD-H42Y



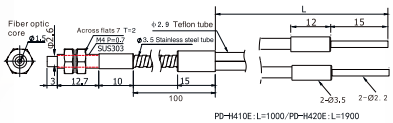
Size: M4
Max. temperature: 105℃
Sensing distance: 160mm
(Sensing distance varies with different amplifiers)

PD-H62Y



Size: M6
Max. temperature: 105℃
Sensing distance: 230mm
(Sensing distance varies with different amplifiers)

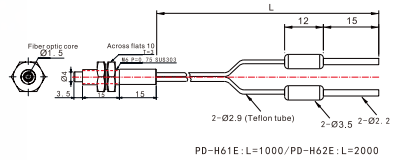
PD-H41E/H42E



Size: M4
Max. temperature: 200℃

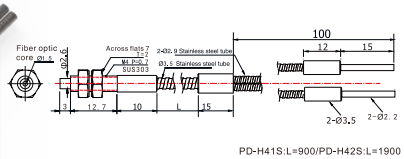
Sensing distance:
PC1:350mm
PG1:150mm

PD-H61E/H62E



Size: M6
Max. temperature: 200℃
Sensing distance: 190mm/180mm
(Sensing distance varies with different amplifiers)

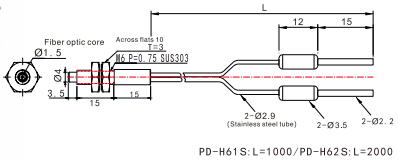
PD-H41S/H42S



Size: M4
Max. temperature: 350℃

Sensing distance:
PC1:300mm
PG1:150mm

PD-H61S/H62S

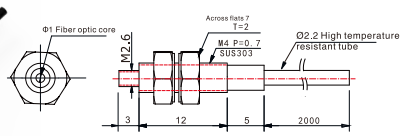


Size: M6
Max. temperature: 350℃
Sensing distance: 190mm/180mm

Sensing distance:
PG1:150mm

Thru-beam

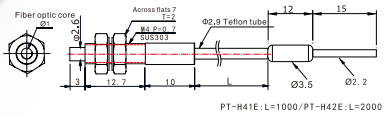
PT-H42Y



Size: M4
Max. temperature: 105℃

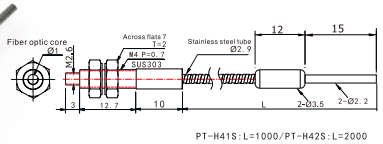
Sensing distance:
PC1:2300mm
PG1:700mm

PT-H41E/H42E



Size: M4
Max. temperature: 200℃
Sensing distance: 450mm/390mm
(Sensing distance varies with different amplifiers)

PT-H41S/H42S

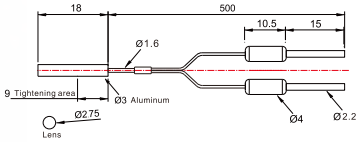


Size: M4
Max. temperature: 350℃

Sensing distance:
PC1:1500mm
PG1:600mm

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

PD-X20

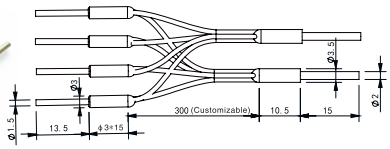


Size: ϕ3
Minimum bending radius: R25
Focal distance: 5mm

Sensing distance:
PC1:25mm
PG1:20mm

Combination type Fiber components

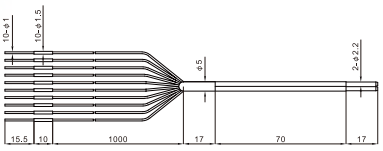
PD-S4Q3-30



Size: ϕ3
Fiber optic sensor heads: 4 Units

Sensing distance:
PC1:250mm
PG1:50mm

PD-S10Q1.5-100



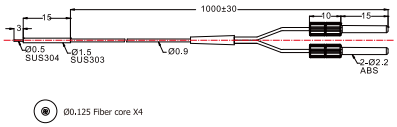
Size: ϕ1.5
Fiber optic sensor heads: 10 Units

Sensing distance:
PC1:80mm
PG1:20mm

High End Type Fiber Components

Diffuse reflection

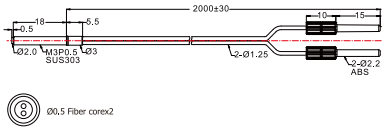
PD-R15



HOT

Size: ϕ1.5
Minimum bending radius: R10
Sensing distance: 4.8mm
(Sensing distance varies with different amplifiers)

PD-R32

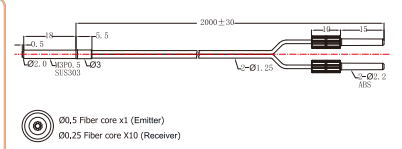


HOT

Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:240mm

PD-RC32

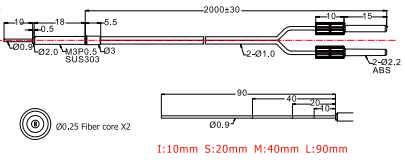


HOT

Size: M3
Minimum bending radius: R15

Sensing distance:
PC1:250mm
PG1:75mm

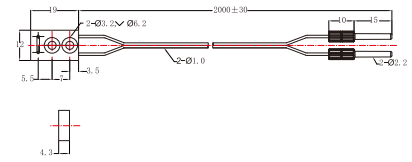
PD-RE32-I/S/M/L



HOT

Size: M3
Minimum bending radius: R15
Sensing distance: 10mm
(Sensing distance varies with different amplifiers)

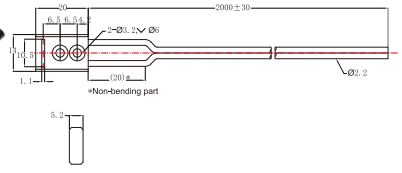
PD-R38V



HOT

Minimum bending radius: R10
Sensing distance: 0-4mm
(Sensing distance varies with different amplifiers)

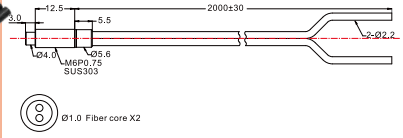
PD-R38L



HOT

Minimum bending radius: R25
Sensing distance: 8-32mm
(Sensing distance varies with different amplifiers)

PD-R62

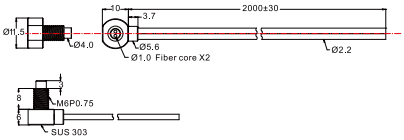


HOT

Size: M6
Minimum bending radius: R25

Sensing distance:
PC1:400mm
PG1:180mm

PD-R62TE

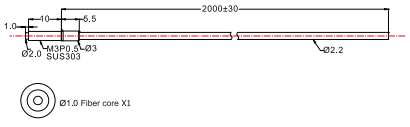


HOT

Size: M6
Minimum bending radius: R2
Sensing distance: 140mm
(Sensing distance varies with different amplifiers)

Thru-beam

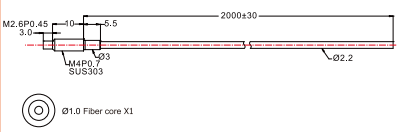
PT-R32



HOT

Size: M3
Minimum bending radius: R25
Sensing distance: 1000mm
(Sensing distance varies with different amplifiers)

PT-R42



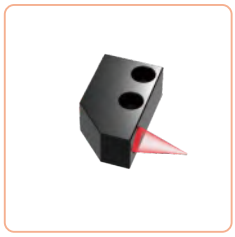
HOT

Size: M4
Minimum bending radius: R25

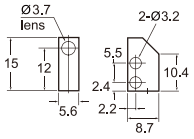
Sensing distance:
PC1:2200mm
PG1:500mm

Diffuse reflection

PF-5D



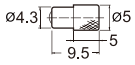
Housing:aluminum
Lens:glass



Diameter of beam: ϕ0.5~3
Suit to M3 diameter fiber optic sensor
Focal distance: 8~30mm

PF-3D

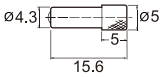
Housing:aluminum
Lens:plastic



Size of pointed end: ϕ4.3
Diameter of beam: Approx. ϕ4(Sensing distance: 0~20mm)
Suit to M3 diameter fiber optic sensor

PF-2D

Housing:aluminum
Lens:plastic



Size of pointed end: ϕ4.3
Diameter of beam: Approx. ϕ0.4
Suit to M3 diameter fiber optic sensor
Focal distance: 7±2mm

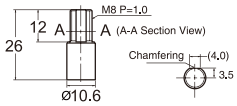
PF-4D

Housing:aluminum
Lens:glass

Size of pointed end: ϕ7.4
Diameter of beam: Approx. ϕ0.5
Suit to M3 diameter fiber optic sensor
Focal distance: 15±2mm

PF-6D

Housing:aluminum
Lens:glass

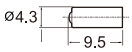


Size of pointed end: ϕ10.6
Diameter of beam: Approx. ϕ2.0
Suit to M3 diameter fiber optic sensor
Focal distance: 35±2mm

Thru-beam

PF-4T

Housing:aluminum
Lens:glass



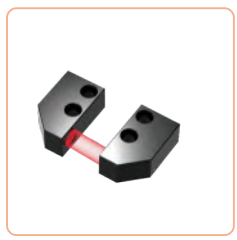
Size of pointed end: ϕ4.3
Suit to M2.6 diameter fiber optic sensor
Max.sensing distance: 3600mm

PF-2T

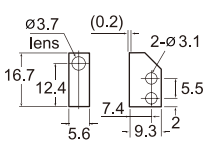
Housing:nickle plated brass
Lens:glass

Size of pointed end: ϕ4
Suit to M2.6 diameter fiber optic sensor
Max.sensing distance: 3600mm

PF-5T

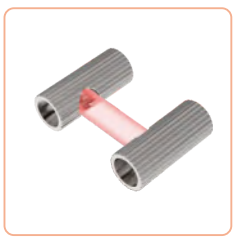


Housing:aluminum
Lens:glass

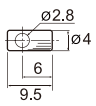


Suit to M2.6 diameter fiber optic sensor
Max.sensing distance: 3600mm

PF-1T



Housing:nickle plated brass
Lens:acrylic



Size of pointed end: ϕ4
Suit to M2.6 diameter fiber optic sensor
Max.sensing distance: 3600mm