

Fiber Optic Sensors



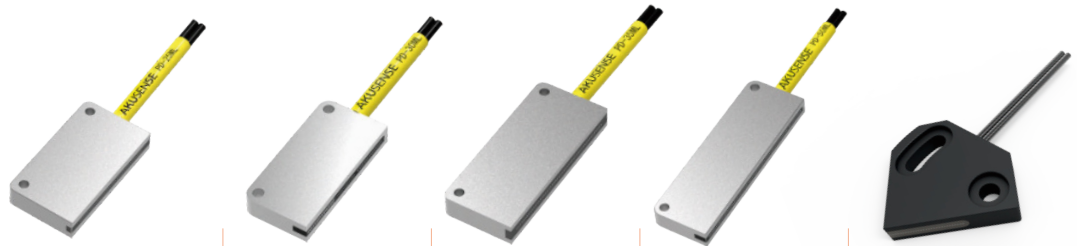
- ⦿ Optical fiber amplifiers designed with automatic light compensation technology to effectively guarantee the stability of detection.
- ⦿ Full range of optical fiber components can work as perfect replacement for popular models in the market.
- ⦿ Customization is available according to the users' on-site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

Diffuse reflection



Basic Features	Working Principle	Fiber optic components			
	Optical Working Principle	Diffuse reflection			
	Housing Style	-	Right-angle type	Right-angle type	-
	Fiber Head Type	Without drum			
	Sensing Distance	with PG1:80mm/with PE1:110mm	with PG1:110mm/with PE1:160mm	with PG1:150mm/with PE1:240mm	with PG1:200mm/with PE1:250mm
	Fiber Length	2000mm			
	Fiber Diameter	Ø0.25mm			
	Fiber Arrangement	Grating			
	Core Construction	Transmitter end:9, Receiver end:9		Transmitter end:16, Receiver end:16	
	Integrated Lens	No lens			
	Minimum Object Diameter	Ø0.05mm			
Mechanical Data	Bending Radius	15mm		5mm	
	Material	Aluminum + Polyvinyl Alcohol			
	Fiber Can Be Cut	Can be cut with fiber cutter			
	Operating Environment Temperature	-			
	Accessories	No installation parts			
Model	PD-10ML	PD-15ML-D	PD-20ML-S	PD-20ML	

Note: The detection distance is for reference only and is also related to factors such as the power level adjustment of the amplifier and the detection environment.



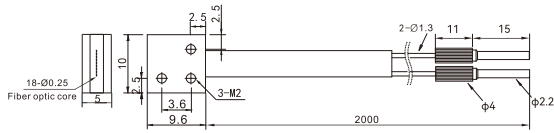
Basic Features	Working Principle	Fiber optic components				
	Optical Working Principle	Diffuse reflection				
	Housing Style	Right-angle type				-
	Fiber Head Type	Without drum				
	Sensing Distance	with PG1:120mm with PE1:190mm	with PG1:180mm with PE1:210mm	with PG1:180mm with PE1:210mm	with PG1:160mm with PE1:200mm	with PG1:110mm with PE1:170mm
	Fiber Length	2000mm				
	Fiber Diameter	Ø0.25mm				
	Fiber Arrangement	Grating				
	Core Construction	Transmitter end:16, Receiver end:16				-
	Integrated Lens	No lens				
	Minimum Object Diameter	Ø2mm	Ø4mm	Ø6mm	Ø10mm	Ø0.05mm
Mechanical Data	Bending Radius	5mm				25mm
	Material	Aluminum + Polyvinyl Alcohol				Aluminum
	Fiber Can Be Cut	Can be cut with fiber cutter				
	Operating Environment Temperature	-				
	Accessories	No installation parts				
Model	PD-25ML	PD-30ML	PD-35ML	PD-50ML	PD-A10	

Note: The detection distance is for reference only and is also related to factors such as the power level adjustment of the amplifier and the detection environment.

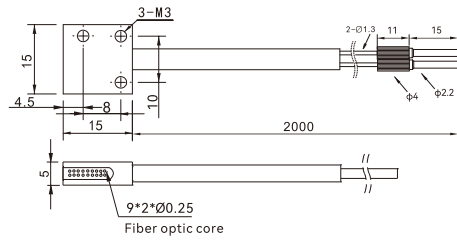
Unit: mm

Dimensions

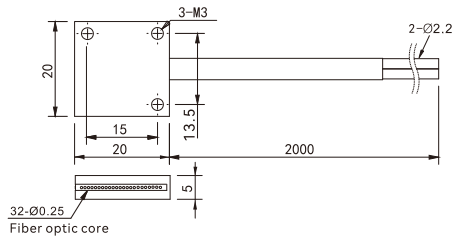
PD-10ML



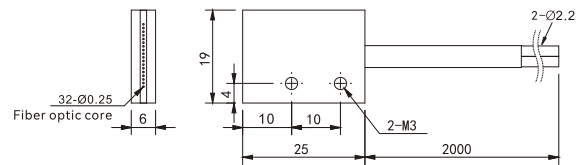
PD-15ML-D



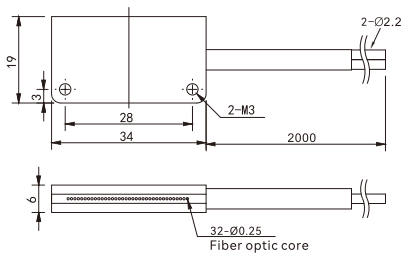
PD-20ML-S



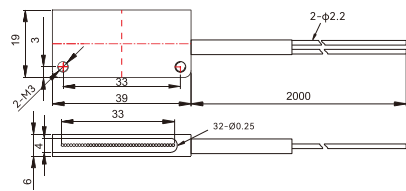
PD-20ML



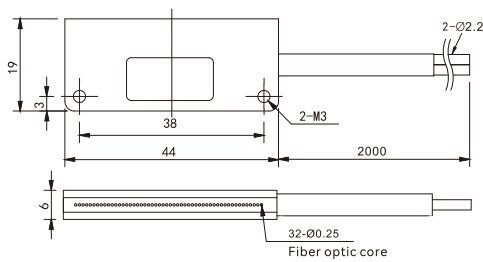
PD-25ML



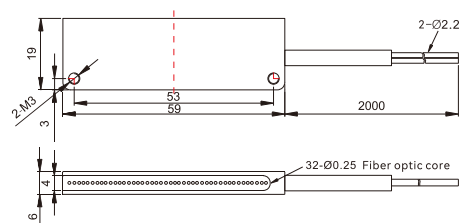
PD-30ML



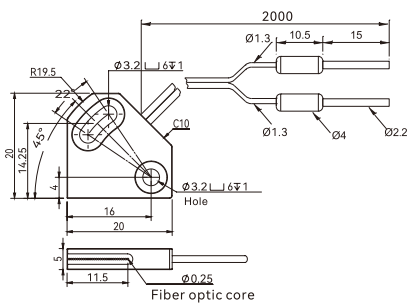
PD-35ML



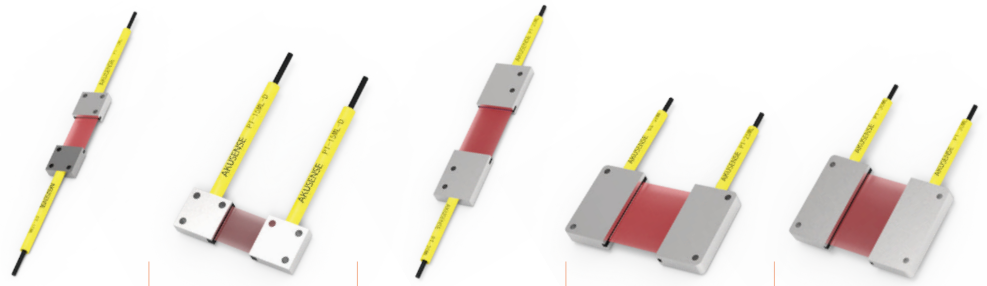
PD-50ML



PD-A10

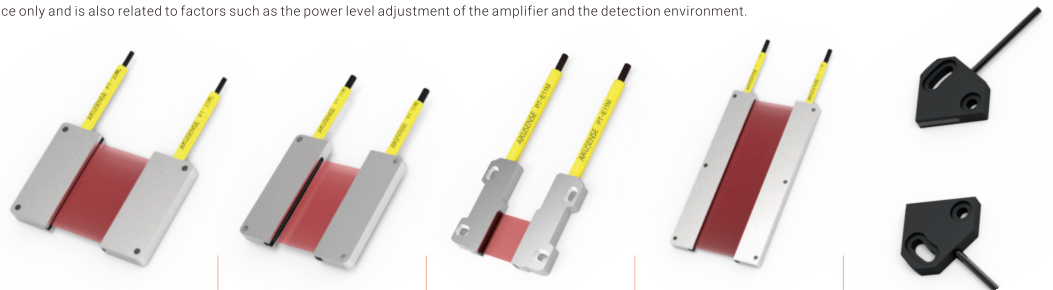


Thru-beam



Basic Features	Working Principle	Fiber optic components				
	Optical Working Principle	Thru-beam				
	Housing Style	-	Right-angle type	-	Right-angle type	
	Fiber Head Type	Without drum				
	Sensing Distance	with PG1:520mm with PE1:760mm	with PG1:580mm with PE1:790mm	with PG1:970mm with PE1:1100mm	with PG1:920mm with PE1:1170mm	with PG1:880mm with PE1:1220mm
	Fiber Length	2000mm				
	Fiber Diameter	Ø0.25mm			Ø0.265mm	Ø0.25mm
	Fiber Arrangement	Grating				
	Core Construction	Transmitter end: 16, Receiver end: 16		Transmitter end: 32, Receiver end: 32		
	Integrated Lens	No lens				
	Minimum Object Diameter	Ø0.1mm	Ø0.5mm		Ø2mm	Ø3mm
Mechanical Data	Bending Radius	5mm		15mm		
	Material	Aluminum + Polyvinyl Alcohol		Aluminum+PVC		
	Fiber Can Be Cut	Can be cut with fiber cutter				
	Operating Environment Temperature	-				
	Accessories	No installation parts				
Model	PT-10ML	PT-15ML-D	PT-20ML	PT-25ML	PT-30ML (HOT)	

Note: The detection distance is for reference only and is also related to factors such as the power level adjustment of the amplifier and the detection environment.



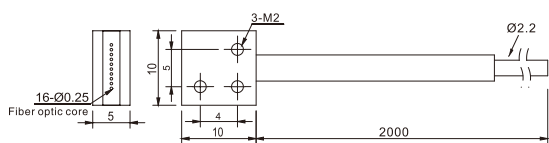
Basic Features	Working Principle	Fiber optic components				
	Optical Working Principle	Thru-beam				
	Housing Style	Right-angle type				-
	Fiber Head Type	Without drum				
	Sensing Distance	with PG1:930mm with PE1:1280mm	with PG1:880mm with PE1:1170mm	with PG1:420mm with PE1:640mm	with PG1:950mm with PE1:1140mm	with PG1:520mm with PE1:800mm
	Fiber Length	2000mm				
	Fiber Diameter	Ø0.250mm		-	Ø0.250mm	
	Fiber Arrangement	Grating				
	Core Construction	Transmitter end:32, Receiver end:32		-	Transmitter end:32, Receiver end:32	-
	Integrated Lens	No lens				
	Minimum Object Diameter	Ø4mm	Ø5mm	Ø1mm	Ø30mm	Ø0.05mm
Mechanical Data	Bending Radius	15mm		25mm	15mm	25mm
	Material	Aluminum+PVC		Aluminum	Aluminum+PVC	-
	Fiber Can Be Cut	Can be cut with fiber cutter				
	Operating Environment Temperature	-				
	Accessories	No installation parts				
Model	PT-35ML	PT-50ML	PT-E11M (HOT)	PT-120ML	PT-A10	

Note: The detection distance is for reference only and is also related to factors such as the power level adjustment of the amplifier and the detection environment.

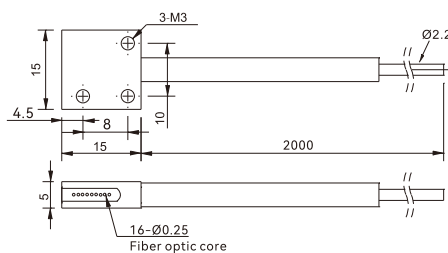
Unit: mm

Dimensions

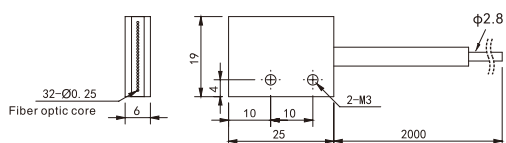
PT-10ML



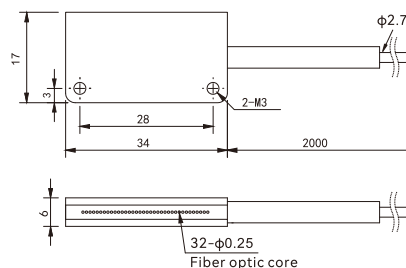
PT-15ML-D



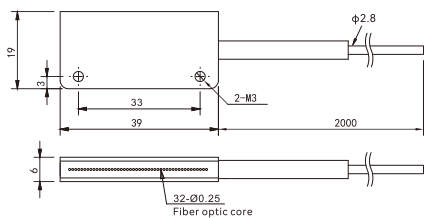
PT-20ML



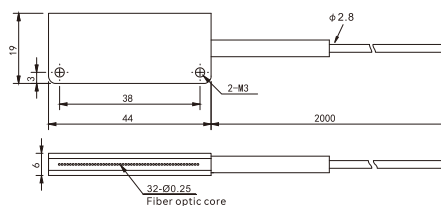
PT-25ML



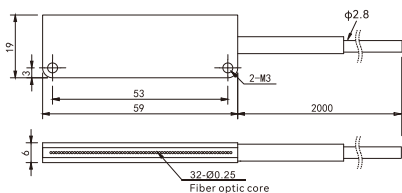
PT-30ML



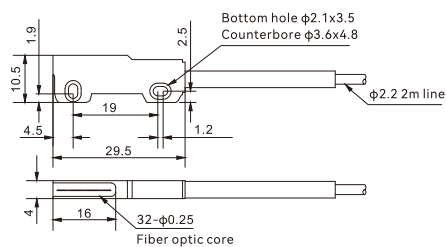
PT-35ML



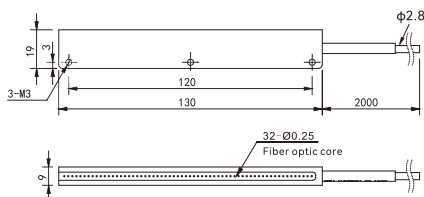
PT-50ML



PT-E11M



PT-120ML



PT-A10

