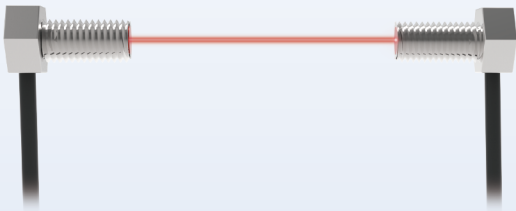


Ultra-Compact Laser Sensor

LA2-S Series



Ask SENPUM

+86-755-83330055

Fast Delivery Standard Models



Most products are in stock. Upon receiving your order, we will arrange prompt shipment to minimize your downtime-related costs and losses.



WeChat



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LINE

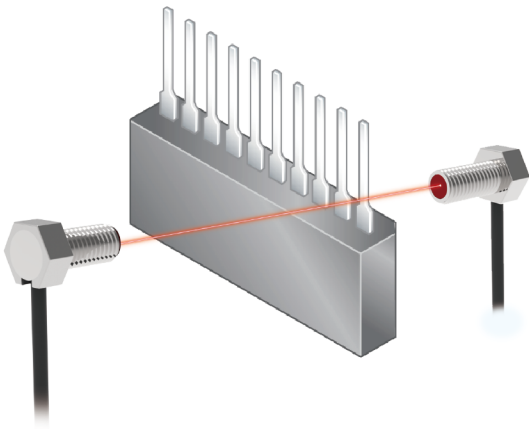
Screw fixing, so easy to install

Threaded sensor body for direct screw mounting.



Stable detection of even 0.5 mm small target objects

High-quality red laser, even if the object is ultra-small/far away can be stably detected.



Ultra-long distance detection up to 1 m

With a detection distance of up to 1m, the thrubeam type sensor provides stable and accurate detection even at great distances.



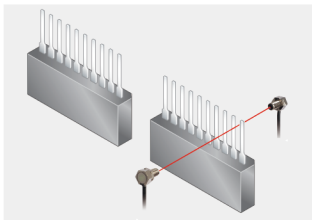
More Features

- M6 Ultra-small size sensor head.
- High-quality red laser light source.
- Thrubeam type maximum detection distance up to 1 m.
- Stable detection even when the target is extremely far away.

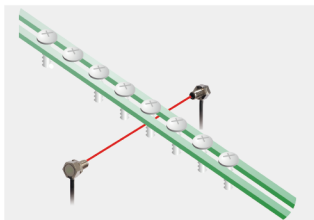
Applications



Detecting workpiece slippage



IC pin detection



Detecting the presence or absence of vibration disk screws

Product List

Main Unit

Type	Dimensions (mm)	Detection distance (mm)	Model	
			NPN	PNP
Thrubeam		1000 mm	LA2-S100LN	LA2-S100LP
		500 mm	LA2-S100LCN	LA2-S100LCP
		500 mm	LA2-S050LN	LA2-S050LP
		500 mm	LA2-S050LCN	LA2-S050LCP
		10 m	LA2-S10MLN	LA2-S10MLP
			LA2-S10MLCN	LA2-S10MLCP

*1 Customized production is available for special requirements.

Bracket (sold separately)

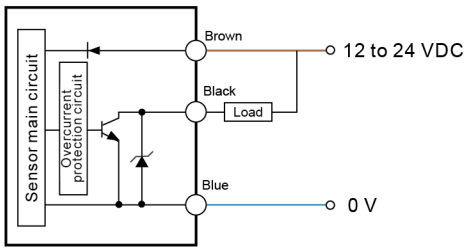
Appearance	Model
	OW-LA2S-001

Specifications

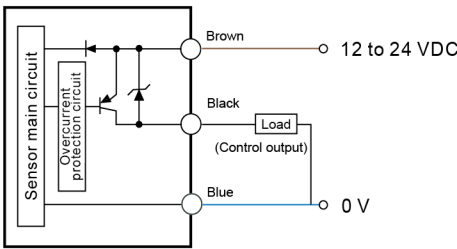
Type		Thrubeam					
Model	Dark-ON	LA2-S100LN	LA2-S100LP	LA2-S050LN	LA2-S050LP	LA2-S10MLN	LA2-S10MLP
	Light-ON	LA2-S100LCN	LA2-S100LCP	LA2-S050LCN	LA2-S050LCP	LA2-S10MLCN	LA2-S10MLCP
	Output type	NPN	PNP	NPN	PNP	NPN	PNP
Detection distance		1000 mm		500 mm		10 m	
Minimum detection object		Ø1 mm Opaque object		Ø0.5 mm Opaque object		Ø2 mm Opaque object	
Power voltage		12 to 24 VDC					
Current consumption		30 mA or less					
Light source		Red laser 655 nm					
Control output		NPN: 100 mA max (40 V max) Residual voltage: 1 V max ; NO					
Response time		Max. 1 ms					
Protection class		IP64					
Protection circuit		Short-circuit protection, over-current protection, over-voltage protection					
Ambient light		Incandescent lamp: Maximum 3,000 lux; Sunlight: Maximum 10,000 lux					
Ambient temperature		-10 to +55 °C (no freezing)					
Relative humidity		35 to 85% RH (no condensation)					
Material		Amplifier: PC; Sensor head: Stainless steel					
Cable length		1 m					
Weight		Approx. 70 g					

I/O Circuit Diagrams

NPN



PNP

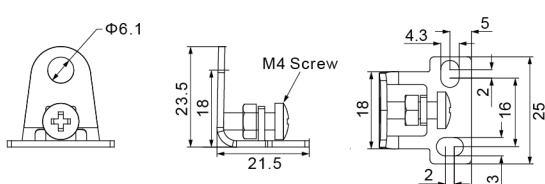
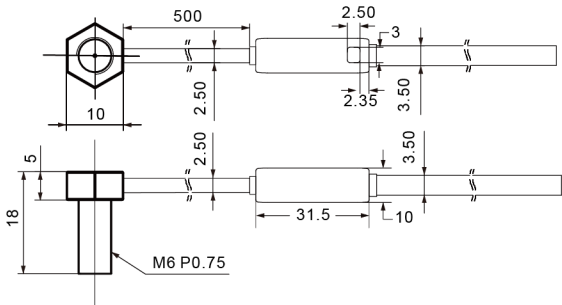


Dimensions

LA2-S100L* / LA2-S100LC*
LA2-S050L* / LA2-S050LC*
LA2-S10ML* / LA2-S10MLC*

OW-LA2S-001

Unit: mm



Laser Sensors

- LA2-ZB
- LA-ZB
- LO-Z
- LA-ZH
- LA-X
- LA-N
- LA-H
- LA2-S
- LA3-P
- LA-MR
- LA-T

- Fiber Optic Sensors
- Photoelectric Sensors
- Color Sensors

Laser Sensors

- Proximity Sensors
- Precision Contact Sensors
- Area Sensors/ Safety Light Curtains
- Laser Scanners
- Digital Contact Sensors
- Laser Displacement Sensors
- Laser Micrometers
- Confocal Displacement Sensors
- Barcode Readers
- AI Vision Sensors

- RFID
- Infrared Temperature Sensors
- Pressure Sensors
- Flow Sensors

- Magnetic Sensors
- Ultrasonic Sensors
- Magnetic Scales
- Static Eliminators

