

Laser Sensors

Selection guide P.0451—P.0470 ▶



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LINE

Standard model		Standard model	LA2-M	P.0455 ▶
Cmos laser sensors type		Standard model	LA-ZB	P.0457 ▶
		MINI type	LA-X	P.0459 ▶
		CMOS type	LA2-ZB	P.0461 ▶
		Remote CMOS type	LA-ZH	P.0463 ▶
Small dimension		Ultra-small thru-beam	LA2-S	P.0465 ▶
Precision positioning type		MINI type	LA3-P	P.0467 ▶
Ultra-Long range TOF type		Ultra-Long range TOF type	LA-T	P.0469 ▶

Selection guide

Laser sensors

Product Category

Standard model

LA2-M series



P.0455

- Standard spot and small spot available
- Detection distance 10mm~50m selectable

BGS standard model

LA-ZB series



P.0457

- Ultra-small blind spot under 5mm
- Realize true black and white equidistant

BGS mini type

LA-X series



P.0459

- Slight step height can also be detected
- Ultra-small size for a wider range of applications

BGS CMOS type

LA2-ZB series



P.0461

- The industry's smallest spot is only 0.5mm.
- Transparent and thin objects can be detected

Long-range BGS CMOS type

LA-ZH series

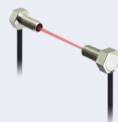


P.0463

- Adopts CMOS principle, not affected by the color of the object
- Detection distance up to 1.2m

Ultra-small

LA2-S series



P.0465

- Maximum detection distance up to 1m for the thru-beam type
- Laser spot less than 0.5mm

Precision positioning type

LA3-P series



P.0467

- Ultra-small laser spot, minimum 0.3mm
- It can be used for high precision positioning

Ultra long range TOF type

LA-T series



P.0469

- 0.5ms high response time, ultra-high repeatability
- Detects up to 4.4m

Fiber Optic Sensors

Photoelectric Sensors

Color Sensors

Laser Sensors

Inductive Proximity Sensors

Precision Contact Sensors

Area/Safety Light Curtain

Laser Scanners

Digital Contact Sensors

Laser Displacement Sensors

Distance Laser Sensors

Confocal Displacement Sensors

Barcode Scanners

Infrared Temperature Sensors

Digital Pressure Sensors

Gate Magnetic Sensors

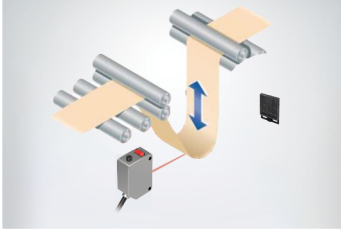
Ultrasonic Displacement Sensors

Magnetic Scale

Static Eliminators

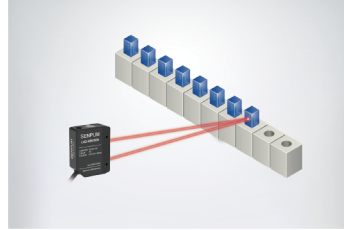
Example of laser sensor specific detection

Application Scene



Lack of material detection

Use the LA3-PB500N retro-reflective type to detect abnormalities in the operation of the belt.



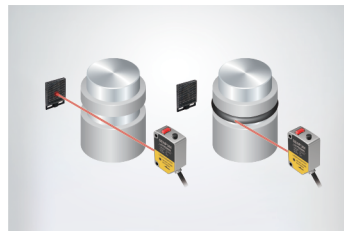
Long-distance detection of the presence or absence of electronic components

LA2-MB030N detects the presence or absence of electronic components



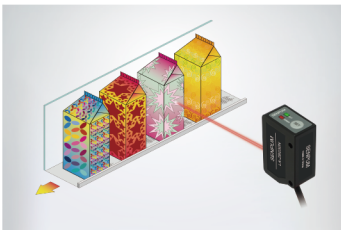
Detecting the presence or absence of packaging boxes

Detecting the presence or absence of boxes on shelves with the LA3-PS2000N



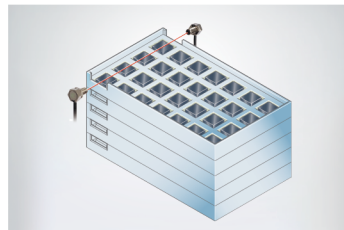
Detecting the presence or absence of O-rings

LA3-PB2000N detects the presence or absence of rubber rings in O-rings.



Detect the presence or absence of colored boxes

Use LA-ZB030N to inspect assembly line workpieces without the influence of color and angle, stable inspection



Detect IC height

LA2-S050LN detects whether the IC is warped or not

Laser Sensors

LA2-M
LA-ZB
LA-X
LA2-ZB
LA2-S
LA3-P
LA-T

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