W130

Small laser sensors with customization options meet customer-specific applications

PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.

Technical data overview

Dimensions (W x H x D)	13.4 mm x 26.5 mm x 34.6 mm 13.4 mm x 47 mm x 52.9 mm 10.5 mm x 33.8 mm x 81.4 mm
Light source	Laser
Type of light	Visible red light
Enclosure rating	IP67 / IP50 (depending on type)
Housing material	Plastic
Adjustment	None / Teach-in button / cable (depending on type)

Product description

The W130 Laser family offers compact laser sensors with extensive functionality, allowing users to configure settings based on their application requirements. Proximity, retro-reflective and through-beam variants are available and feature a 30 mm wide laser line. The combination of the analog output and the two switching outputs solves a variety of applications, such as edge control and part sorting.

At a glance

• Laser photoelectric sensor consisting of configurable evaluation unit with external laser heads
• Parallel 30 mm wide laser line
• Model with analog output
• Two teachable, mutually independent switching outputs
• Application solution for web edge guidance and detection of objects with position tolerance

Your benefits

• Application flexibility based on customer requirements
• Reliable detection of the smallest, unguided parts
• Precise guidance of web materials
• Reliable edge detection even when the edge location is undefined
• Digital display designed for quick and easy setup that saves time
• Highly visible laser light simplifies alignment

Ordering information

Other models and accessories ➜ www.sick.com/W130

- **Functional principle:** Photoelectric proximity sensor
- **Functional principle detail:** Energetic
- **Light source:** laser
- **Type of light:** visible red light

Sensing range max.	Adjustment	Connection type	Laser class	Type	Part no.
0 mm ... 1,200 mm	None	Cable with male connector, 2 m [1] [2]	2	WT130L-32	6029861

[1] Connection between sensor head and evaluation unit with system-specific connector.

[2] Do not bend below 0 °C.

- **Functional principle:** Photoelectric retro-reflective sensor
- **Light source:** laser
- **Type of light:** visible red light

Sensing range max.	Adjustment	Connection type	Laser class	Type	Part no.
0 m ... 10 m	None	Cable with male connector, 2 m [1] [2]	2	WL130L-32	6029862

[1] Connection between sensor head and evaluation unit with system-specific connector.

[2] Do not bend below 0 °C.

- **Functional principle:** Through-beam photoelectric sensor
- **Light source:** laser
- **Type of light:** visible red light

Sensing range max.	Adjustment	Connection type	Laser class	Type	Part no.
0 m ... 3.5 m	None	Cable with connector and coupling, 2 m [1] [2]	1	WSE130L-34	6029866
				WSE130L-54	6029868
		Cable with male connector, 2 m [2] [3]	1	WSE130L-32	6029863
				WSE130L-52	6029865

[1] M8 system cable, 2 m required for connection. Included with delivery.

[2] Do not bend below 0 °C.

[3] Connection between sensor head and evaluation unit with system-specific connector.

- **Voltage type:** DC
- **Switching mode:** Light/dark switching

Switching output	Adjustment	Connection type	Type	Part no.
NPN	Teach-in button, cable	Male connector M8, 4-pin	WI130T-N340	6032852
NPN, Analog	Teach-in button, cable	Cable, 7-wire, 2 m	WI130T-N720	6032854
PNP	Teach-in button, cable	Male connector M8, 4-pin	WI130T-P340	6032851
PNP, Analog	Teach-in button, cable	Cable, 7-wire, 2 m	WI130T-P720	6032853

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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