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Product data sheet



WSE130L-52

W130

MINIATURE PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.

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WSE130L-52 | W130

MINIATURE PHOTOELECTRIC SENSORS



Illustration may differ

Ordering information

Type	Part no.
WSE130L-52	6029865

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

Detailed technical data

Features

Functional principle	Through-beam photoelectric sensor
Dimensions (W x H x D)	13.4 mm x 47 mm x 52.9 mm
Housing design (light emission)	Rectangular
Sensing range max.	0 m ... 3.5 m
Type of light	Visible red light
Light source	Laser [1]
Laser class	1, EN 60 825-1
XXX	30 mm x 2.5 mm (parallel)
Adjustment	None

[1] Average service life: 50,000 h at T_U = +25 °C.

Mechanics/electronics

Connection type	Cable with male connector, 2 m [1] [2]
Cable material	PVC/PBT
Protection class	III
Weight	100 g
Housing material	Plastic, PC
Optics material	Plastic, PMMA
Enclosure rating	IP67
Ambient operating temperature	–10 °C ... +55 °C
Ambient temperature, storage	–25 °C ... +70 °C

[1] Connection between sensor head and evaluation unit with system-specific connector.
[2] Do not bend below 0 °C.

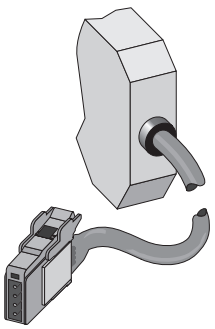
Classifications

eCl@ss 5.0	27270901
eCl@ss 5.1.4	27270901

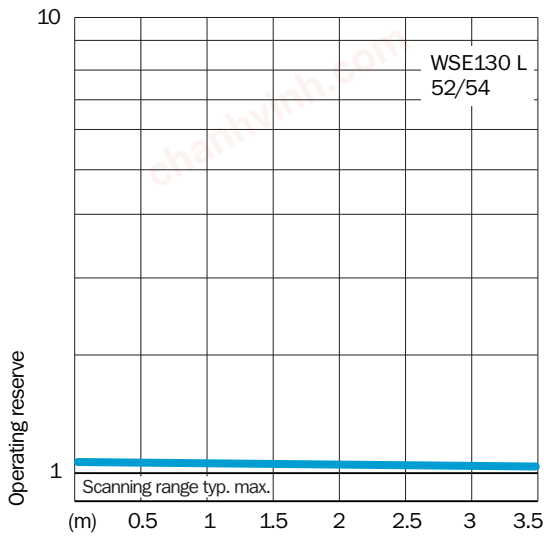
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eCl@ss 6.0	27270901
eCl@ss 6.2	27270901
eCl@ss 7.0	27270901
eCl@ss 8.0	27270901
eCl@ss 8.1	27270901
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eCl@ss 12.0	27270901
ETIM 5.0	EC002716
ETIM 6.0	EC002716
ETIM 7.0	EC002716
ETIM 8.0	EC002716
UNSPSC 16.0901	39121528

Connection type

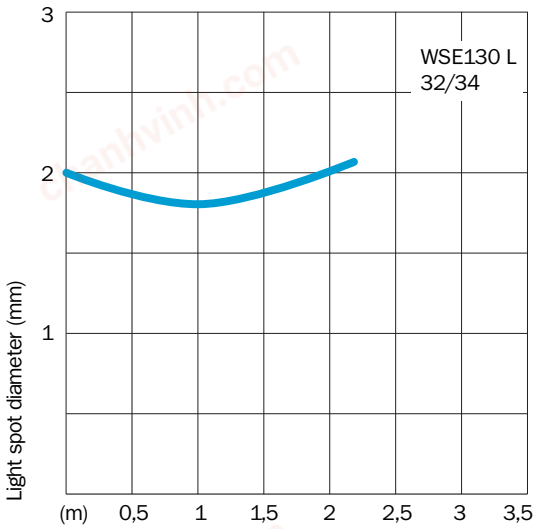


Characteristic curve

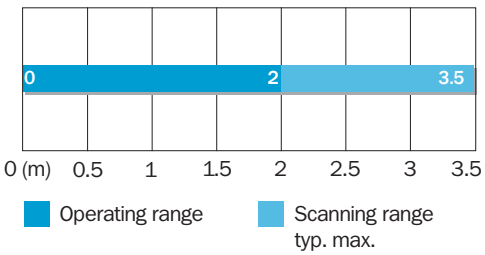


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Light spot size

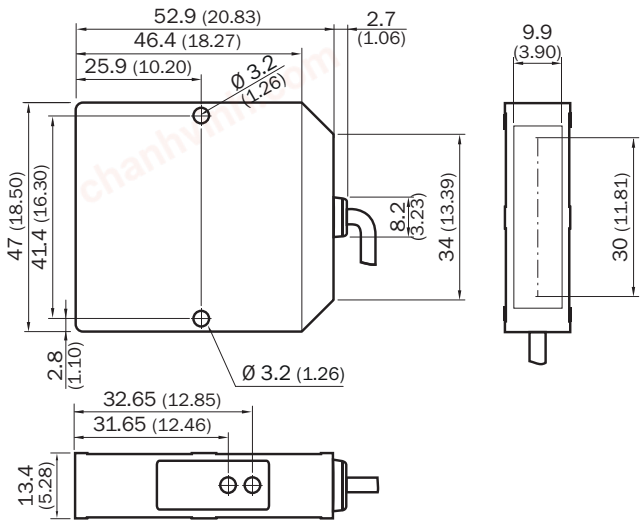


Sensing range diagram



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Dimensional drawing (Dimensions in mm (inch))



① Mounting hole Ø 3.2 mm
② Parallel laser line
③ LED indicator green: Supply voltage active
④ LED indicator orange: switching output active

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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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