



MultiV

Efficiency sought and found

PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.



Technical data overview

Dimensions (W x H x D)	16 mm x 39.5 mm x 12 mm
Light source	PinPoint LED
Type of light	Visible red light
Enclosure rating	IP67, IP66
Housing material	Plastic
Adjustment	Potentiometer

Product description

Precise object detection thanks to technology fusion: SICK background suppression plus PinPoint LED technology with clearly defined line-shaped light spot and V-optics. No object will be able to escape precise and reliable detection any longer. No matter what tricks the object may play – whether it is highly transparent, reflective, or dark black – the MultiV can detect anything. What's more, the MultiV can be integrated in a space-saving manner as a miniature sensor without reflector or for use in a through-beam system.

At a glance

- Reliable detection of flat, transparent, and reflective objects such as displays, glasses, and a whole host of metal parts
- Gaps and holes in the objects do not cause the sensor to shut down
- Detection of flat objects on conveyor belts
- The space-saving miniature housing allows the sensor to be integrated in the tightest machine environments
- Precise, reliable background suppression ensures that all types of objects are reliably detected regardless of their surface and properties
- Precise switching points with repeat accuracy < 1 mm
- Optimal operating range from 15 mm to 30 mm

Your benefits

- Simple and cost-effective application, as complex detection tasks can be reliably completed using a BGS sensor
- User-friendly and high-precision adjustment of the sensing range thanks to a 5-turn potentiometer
- Rapid and precise alignment thanks to a shiny bright and line-shaped light spot with PinPoint technology

Ordering information

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

- **Functional principle:** Photoelectric proximity sensor
- **Functional principle detail:** Background suppression
- **Light source:** PinPoint LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
3 mm ... 50 mm	NPN	Potentiometer	Cable, 4-wire, 2 m ¹⁾	WTV4-3N1171S85	1075188

¹⁾ Do not bend below 0 °C.

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- **Switching mode:** Light switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
3 mm ... 50 mm	NPN	Potentiometer	Cable, 4-wire, 2 m ¹⁾	WTV4-3N1171	1046898
	PNP	Potentiometer	Cable with connector M8, 3-pin, 100 mm	WTV4-3P3171	1063336
			Male connector M8, 4-pin	WTV4-3P2271	1046644

¹⁾ Do not bend below 0 °C.

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