



PS30

From pattern detection to rapid position identification

SICK
Sensor Intelligence.



Technical data overview

Sensing distance	20 mm
Light spot size	65 mm x 3 mm
Connection type	Male connector
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Light spot size	65 mm x 3 mm
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Product description

The PS30 is a proximity scanning opto-electronic sensor. Distinctive, taught-in patterns in an image are used as a reference for the subsequent reliable detection and positioning of objects. A stable switching signal is generated at high speed thanks to new technology without special reference marks. The markless sensor is ideal for applications in the packaging industry. User-friendly configuration is offered via the sensor's control panel, via the SOPAS configuration software, or by using the machine controller's PLC/HMI via an Ethernet connection. Engineering tools for configuration and diagnosis are available.

At a glance

- Rugged housing with rotatable male connector
- Scanning speed up to 10 m/s
- Reproducibility of up to 0.1 mm (2 Sigma)
- Ethernet interface for integration into the machine controller
- Integrated, visible object illumination
- Operating elements with cleartext display
- Software tools for visualized configuration and diagnosis of the sensor
- Automatic configuration when changing objects

Your benefits

- Reliable detection, including of complex images, reduces system downtimes and rejects
- More freedom with respect to packaging design
- More efficient use of the product surface, as no print marks are necessary
- Faster and easier to change formats by teaching in saved formats
- Reliable production processes thanks to diagnosis of the teach-in and process quality
- Quick and easy sensor alignment thanks to a visible light spot and notches on the housing
- Short set-up times thanks to simple configuration via display, SOPAS web controls, or with PLC/HMI via Ethernet and using the software tools provided

Fields of application

Labeling machine: Determination of the cutting and slitting edge

Packaging machine: Detection of printed packaging without print marks for shrink and stamping edge determination

Wrapping machines: Detection of quantity and position of packaging and/or determination of the cutting edge for printed films

Tube filling machines: Positioning tubes

Pattern detection for verifying and approving objects

Ordering information

Other models and accessories → www.sick.com/PS30

- **Communication interface:** -
- **Light source:** LED
- **Sensing distance:** ≤ 20 mm
- **Switching output:** PNP
- **Light spot size:** 65 mm x 3 mm

Connection type Detail	Type	Part no.
Connector M12, 12-pin/Connector M12, 4-pin, not rotatable (Ethernet)	PS30M-P1212	1081930
Connector M12, 12-pin/Connector M12, 4-pin, rotatable up to 90° (Ethernet)	PS30M-P1211	1074721

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