ML20

Running markless for stability and design freedom

SICK
Sensor Intelligence.

ML20

Technical data overview

Sensing distance	20 mm
Light spot size	60 mm x 3 mm
Connection type	Male connector
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CE

Product description

The markless sensor is based on a pattern recognition principle. A taught-in image is used as a reference for the detection of a recurring contrast pattern. A stable switching signal is generated at high speed thanks to new technology without print marks. The markless sensor is ideal for applications in the packaging industry. User-friendly configuration is offered via the sensor's control panel or by using SICK's SOPAS software via Ethernet.

At a glance

- Tough metal housing
- Scanning speed of 7 m/s
- Monitor process quality via a control panel or SOPAS, via Ethernet
- Easy sensor teach-in and alignment
- Reproducibility of 0.3 mm (2 Sigma)
- Plug can be rotated 90°

Your benefits

- Reliable detection, even with complex images reduces system downtime and waste
- Fewer machine builder restrictions mean more freedom when designing packaging
- Allows for more efficient utilization of space on the product instead of using unnecessary print marks and place markers
- Faster and easier format change by teaching of saved formats via Ethernet
- Monitor process and teach quality via a display or SOPAS, increasing reliability
- Fast and simple sensor alignment via a visible light spot and notches on the housing
- Easy sensor teach-in, directly via the control panel, external teach-in signal or using SOPAS via Ethernet

Fields of application

- Labeling machine (determination of the cutting and slitting edge)
- Packaging machine (detection of printed packaging without using print marks for shrink and stamping edge determination)
- Wrapping machines (detection of quantity and position of packaging/determination of the cutting edge for printed films)

Ordering information

Other models and accessories ➜ www.sick.com/ML20

- **Communication interface:** EtherNet/IP™
- **Light source:** LED

Sensing distance	Switching output	Light spot size	Connection type Detail	Type	Part no.
≤ 20 mm	PNP	60 mm x 3 mm	Connector M12, 12-pin	ML20M-P1211	1044675

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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