



## S300

Proven and compact safety laser scanner with measurement data output

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Application</b>	Indoor
<b>Protective field range</b>	2 m / 3 m (depending on type)
<b>Warning field range</b>	8 m
<b>Scanning angle</b>	270°
<b>Number of fields</b>	3 ... 48 (depending on type)
<b>Number of monitoring cases</b>	1 / 4 / 32 (depending on type)
<b>Response time</b>	≤ 80 ms <sup>1)</sup>
<b>OSSD pairs</b>	1
<b>Integration in the control system</b>	Local inputs and outputs (I/O), EFI
<b>Safety level</b>	PL d, SIL 2, Type 3

<sup>1)</sup> Depending on basic response time and multiple sampling.

### Product description

The S300 safety laser scanner is suitable for horizontal and vertical hazardous area protection. For quick and easy commissioning, the device is configured using the PC-based CDS software. The S300 can be operated in a host-guest network via the EFI interface or connected directly to a Flexi Soft main module. A special feature of the sensor is the availability of functions for detecting reflectors as artificial landmarks. In addition, the configuration memory integrated into the system plug allows devices to be replaced quickly. From simple protection right through to a comprehensive solution for mobile applications: You receive a high level of flexibility at an affordable price.

### At a glance

- Up to 3 m protective field range
- 270° scanning angle
- Up to 48 freely configurable fields and 16 switchable field sets
- Configuration memory integrated into the system plug
- EFI interface for safe SICK device communication
- Configuration using the CDS software

### Your benefits

- Successfully in use for more than 15 years
- Easy installation, commissioning and maintenance
- 270° scanning angle allows allround protection using only two scanners
- Variety of field sets ensures safety and productivity when used on vehicles or moving machine parts
- Quick recommissioning via configuration memory
- Safe SICK device communication for easy integration of safety laser scanners and low cabling requirements

### Fields of application

- Protection of small automated guided vehicles (AGVs)
- Horizontal and vertical access and hazardous area protection on machines and systems

## Ordering information

Other models and accessories → [www.sick.com/S300](http://www.sick.com/S300)

- **Model:** sensor without system plug
- **Scanning angle:** 270°

Sub product family	Protective field range	Number of fields	Type	Part no.
S300 Standard	2 m	3	S30B-2011BA	1026820
	3 m	3	S30B-3011BA	1056427
S300 Advanced	2 m	12	S30B-2011CA	1026821
	3 m	12	S30B-3011CA	1056428
S300 Professional	2 m	24	S30B-2011DA	1026822
	3 m	24	S30B-3011DA	1056429
S300 Expert	2 m	48	S30B-2011GB	1050193
	3 m	48	S30B-3011GB	1057641

## 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](http://www.sick.com)