



# S3000 PROFINET IO Advanced

Time for a generation change

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Application</b>	Indoor
<b>Protective field range</b>	4 m / 5.5 m / 7 m (depending on type)
<b>Warning field range</b>	49 m
<b>Scanning angle</b>	190°
<b>Number of fields</b>	8
<b>Number of monitoring cases</b>	4
<b>Response time</b>	≤ 60 ms <sup>1)</sup>
<b>OSSD pairs</b>	0
<b>Integration in the control system</b>	PROFINET PROFIsafe
<b>Safety level</b>	PL d, SIL 2, Type 3

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

## Product description

S3000 hands over baton to microScan3: After many years of successful use in countless industries, the S3000 safety laser scanner is now handing over the baton to its successor, the microScan3.

Thanks to the comprehensive portfolio, the microScan3 has the right successor product for your application.

The microScan3 safety laser scanner masters challenges such as ambient light, dust and dirt as well as large scanning ranges up to 9 m thanks to the safeHDDM<sup>®</sup> scanning technology. With smart connection technology, intuitive operation, 275° scanning angle, rugged design, and customizable adjustment options, you are ideally equipped for the future of your applications.

## At a glance

- Direct integration in PROFINET IO safe bus system
- 4 m, 5.5 m or 7 m protective field range
- 4 switchable field sets
- Managed 2-Port switch for copper or optical fiber based conductors
- Configuration memory integrated in the system plug
- Remote diagnostics and configuration through safety controller
- Simultaneous monitoring of 2 protective fields

## Your benefits

- Reliable, fault-tolerant communication with FPLC control system using state-of-the-art optical fiber technology
- Efficient, cost-effective protection – networking through direct integration into PROFINET IO networks
- Rapid diagnostics using remote access prevents downtime
- Standardized integration in FPLC controllers thanks to GSDML generic station description
- Large protective field range of 7 m enables a large variety of applications
- Quick recommissioning via configuration memory
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and availability – even under difficult conditions

## Fields of application

- Hazardous area protection of machines and systems with a direct connection to PROFINET IO bus systems
- Hazardous area protection of machines and systems with optical fiber fieldbus systems
- Simultaneous hazardous area protection for robot cells with connection to safety controllers using PROFINET IO
- Presence detection for loading and unloading areas of machines
- Access protection at entry/exit stations

## Ordering information

Other models and accessories → [www.sick.com/S3000\\_PROFINET\\_IO\\_Advanced](http://www.sick.com/S3000_PROFINET_IO_Advanced)

- **Number of fields:** 8

Protective field range	Transmission medium for PROFINET IO	Type	Part no.
4 m	Copper conductor	S30A-4111CP	1045650
	Fiber optic cable	S30A-4111CL	1052591
5.5 m	Copper conductor	S30A-6111CP	1045652
	Fiber optic cable	S30A-6111CL	1052593
7 m	Copper conductor	S30A-7111CP	1045654
	Fiber optic cable	S30A-7111CL	1052595

## 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)