



S3000 Expert

Safety gaps have no chance – with 64 fields

SICK
Sensor Intelligence.



Technical data overview

Application	Indoor
Protective field range	4 m / 5.5 m / 7 m (depending on type)
Warning field range	49 m
Scanning angle	190°
Number of fields	64
Number of monitoring cases	32
Response time	≤ 60 ms ¹⁾
OSSD pairs	1
Integration in the control system	Local inputs and outputs (I/O), EFI
Safety level	PL d, SIL 2, Type 3

¹⁾ Depending on basic response time and multiple sampling.

Product description

The S3000 Expert adds expanded functions to the successful S3000 product range. Even more protection applications can now be solved with the trusted reliability of the S3000. By the proven triple field mode and the function of simultaneous monitoring of up to four protective fields- in combination with SICK safety controller- mobile and stationary applications can be implemented more efficiently. The 64 fields offer virtually unlimited performance and can be adjusted individually. The scanners' extended interoperability means that the S3000 Expert is easy to combine with other safety laser scanners and safety controllers from SICK. This means automatic guided vehicles can be given all around protection and matching safety fields, regardless of speed. The built-in CM function combines personnel protection with surrounding contour recording. This allows cutting edge solutions for logistics and production applications.

At a glance

- 4 m, 5.5 m or 7 m protective field range
- 32 switchable field sets
- Configuration memory integrated in the system plug
- Interface (EFI) for reliable SICK device communication
- Incremental encoder inputs for speed-dependent field switching
- Extended measured data output via RS-422 with field marker detection
- Simultaneous monitoring of up to 4 protective fields

Your benefits

- Large protective field range of 7 m enables a large variety of applications
- Variety of field sets ensures safety and productivity when protecting vehicles or moving machine parts
- Modular expansions, low wiring effort and additional functions such as the simultaneous monitoring of up to four protective fields using a SICK safety controller via EFI
- Quick recommissioning via configuration memory
- Having the correct protective field at any speed prevents unwanted stops
- Navigation support and personal protection in one device
- 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

- Protection of automatic guided vehicles with direction and speed-based protective field switching
- Protection and navigation support on automatic guided vehicles.
- Protection of VNA trucks
- Protection of storage and retrieval systems
- Protection of transfer vehicles
- Protection of electric overhead conveyors

Ordering information

Other models and accessories → www.sick.com/S3000_Expert

- **Number of fields:** 64

Protective field range	Type	Part no.
4 m	S30A-4011GB	1052107
5.5 m	S30A-6011GB	1052108
7 m	S30A-7011GB	1052109

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