

► Safety laser scanners PSENscan – new versions for area monitoring

NEW

New versions of the safety laser scanner PSENscan enable even higher productivity for safe area monitoring: with the 17-pin version and the ME version (Master Encoder) of PSENscan, additional digital inputs and outputs are available with which up to 70 switchable configurations can be achieved and up to three separate safety zones can be monitored simultaneously. Thanks to fast, direct evaluation of the encoder inputs in the laser scanner, the wiring effort and costs are reduced considerably. In addition, PSENscan is highly flexible and versatile thanks to its high resolution and resistance to external temperature influences, whether for stationary or even mobile danger zones such as automated guided vehicles. New accessories such as the exchangeable head module and the memory module support fast commissioning and reduce downtimes to a minimum.



Your benefits at a glance

- Higher productivity thanks to additional digital inputs and outputs that enable up to 70 switchable configurations and the simultaneous monitoring of up to 3 safety zones
- Cost savings in cabling and wiring work thanks to fast, direct evaluation of the encoder inputs in the laser scanner
- Simple and flexible handling thanks to the high resolution of 30, 40, 50, 70, 150 mm
- Suitable for a number of applications because PSENscan can be used at an ambient temperature of -10 to $+50$ °C
- Fast commissioning and high availability thanks to comprehensive accessories



Safety laser scanner PSENscan



PSENscan

Type	Safety zones ¹⁾ / warning zones ¹⁾	Max. range	Switchable configurations	Order number
Light versions				
PSEN sc L 3.0 08-12	2/2	3.0 m	3	6D000012
PSEN sc L 5.5 08-12	2/2	5.5 m	3	6D000013
Host versions				
PSEN sc M 3.0 08-12	2/2	3.0 m	3	6D000016
PSEN sc M 5.5 08-12	2/2	5.5 m	3	6D000017
PSEN sc M 5.5 08-17	3/2	5.5 m	70	6D000019
Host Encoder model				
PSEN sc ME 5.5 08-17	3/2	5.5 m	70	6D000034
Participant versions				
PSEN sc S 3.0 08-12	2/2	3.0 m	3	6D000020
PSEN sc S 5.5 08-12	2/2	5.5 m	3	6D000021

¹⁾ With simultaneous monitoring

Common features

- ▶ Compliant and approved in accordance with:
EN/IEC 61496-1: Type 3, EN ISO 13849-1:
PL d/Cat. 3, IEC 61508: SIL 2
- ▶ Opening angle: 275 degrees
- ▶ Resolution: 30, 40, 50, 70, 150 mm
- ▶ 40 m warning zone
- ▶ Reaction time: 62 ms
- ▶ Protection type: IP65
- ▶ Series connection of up to 4 sensors
- ▶ Vertical applications
- ▶ Ambient temperature: -10 ... +50 °C
- ▶ Supply voltage: 24 VDC
- ▶ Reference markers
- ▶ Measurement data output (UDP)
- ▶ Up to 4 encoder inputs (only on ME version)
- ▶ Expanded connection options (I/O)
(17-pin versions)
- ▶ Exchangeable head module
- ▶ Quick exchange of the memory module
- ▶ Dimensions (H x W x D) in mm: 152 x 102 x 112.5



ROS



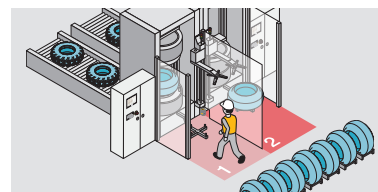
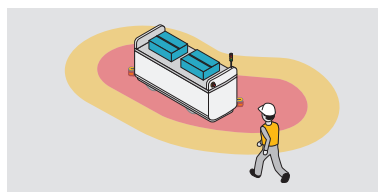
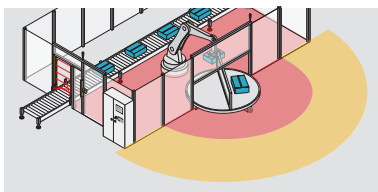
Fast and simple
configuration with
the PSENscan
Configurator.

Accessories – safety laser scanner PSENscan



PSEN sc
memory 08-12

Type	Features	Order number
PSEN sc memory 08-17	Memory module 8 and 17-pin, M12	6D000005
PSEN sc memory 08-12	Memory module 8 or 12-pin, M12	6D000006
PSEN sc head	Head module	6D000007
PSEN sc cleaner	Cleaning agent	6D000008
PSEN sc cloth	Cleaning cloth	6D000009



A variety of application options: safeguarding of stationary and mobile danger zones,
access guarding, rear access protection and simultaneous monitoring of safety zones.

Keep up-to-date
on safety laser
scanners
PSENscan:

Webcode:
web181395

Online information
at www.pilz.us