

SICK.COM



PRODUCT OVERVIEW

TiM-S

Safety laser scanners

SICK

Sensor Intelligence



SAFETY LASER SCANNERS

TiM-S

Safety-related sensors for mobile and stationary applications

To offer customers a complete, scalable 2D LiDAR sensor portfolio, SICK is supplementing the TiM series to include safety-related sensors which satisfy performance level b: TiM-S devices. They were developed, among other things, for mobile applications such as mobile platforms, automated guided vehicles (AGVs) and mobile service robots. The sensors support localization and collision avoidance in these applications. The TiM-S devices can also be used for safety tasks in stationary applications. Equipped with the HD-DM/HDDM+ measurement process, the TiM-S devices are very resistant to ambient light and reliably detect people and objects. The small sensor size and the intuitive commissioning using the SOPAS configuration software enables customized, nearly invisible sensor integration.

TiM-S AT A GLANCE

BENEFITS

- Coverage of large measuring ranges
- Safety-related dynamic field evaluation and raw data output combined with the newest ROS drivers enable the use of TiM-S devices in nearly any application, both mobile and stationary
- Easy commissioning with rotatable connections and accessories perfectly attuned to the sensors; only a few adjustable SOPAS software parameters are necessary for commissioning
- Certification according to ISO 13849 allows for the use of the safety-relevant 2D LiDAR sensors in personal protection applications in which performance level b is required, among others

FEATURES

- Wide detection range: 0.05 m up to maximum 25 m
- Certified according to ISO 13849
- Low power consumption (typically: 4 W, maximum: 16 W)
- Immediate commissioning and configuration via USB interface
- Communication interface which combines intelligent field evaluation and measurement data output

TECHNICAL DATA OVERVIEW

Protective field range	4 m
Scanning angle	Horizontal: 270°
Number of fields	48
Number of monitoring cases	16
Response time	≤ 134 ms 1 scan 2 scans, ≤ 134 ms ¹⁾ 1 scan, typ. 67 ms
Integration in the control system	Local inputs and outputs (I/O)
Safety level	PL b

¹⁾ At +45° to +225° of the working range; max. 150 ms at -45° to +45° of the working range.

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

www.sick.com/TiM-S



SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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