



microScan3 Core – EtherNet/IP™

THE NEW GENERATION OF SAFETY LASER SCANNERS

Safety laser scanner

SICK
Sensor Intelligence.

microScan3: One impressive product, leaves a lasting impression



The innovative safeHDDM® scanning technology sets new standards for safety laser scanners. By combining a compact design and a wide scanning range, it ensures that the microScan3 retains its field of view even in challenging ambient conditions.



20 years of experience with safety laser scanners in harsh industrial day-to-day work has been incorporated into the development of the microScan3. It has a high load capability and is characterized by its durability.

+ Reliable during operation



The safe network integration of the microScan3 with CIP Safety™ over EtherNet/IP™ is quick and easy. This enables safe communication in addition to centralized configuration and diagnostics.

The microScan3 uses standardized M12 plug connectors and the device is easy to replace, saving not only on time but also helping to keep costs low.

+ Safe network integration and high machine availability

EtherNet/IP™



+ Durable for high productivity



Using Safety Designer software, the microScan3 can be intuitively configured and is convenient to commission. The multi-colored display clearly indicates the operational status of the laser scanner. Pushbuttons can be used to access details and additional information, e.g., on the checksum or an interruption in the protective field in easy to read text.

+ Quick, safe configuration and commissioning



First safety laser scanner with CIP Safety™ over EtherNet/IP™

Excellent productivity, low purchase costs

- Compatibility with current EtherNet/IP™ controls enables time-saving and safety-compliant integration into existing systems and reduces costs, since no additional control is needed
- Convenient configuration via an access point in the network
- Low maintenance requirements thanks to status diagnosis, either centrally via the control or remotely on the device display

- Cost saving with Sim-4-Safety: Through 4 safe, independent shutdown signals, a microScan3 Core – EtherNet/IP™ does the job of 4 conventional I/O scanners
- Fast cabling thanks to standardized M12 connectivity



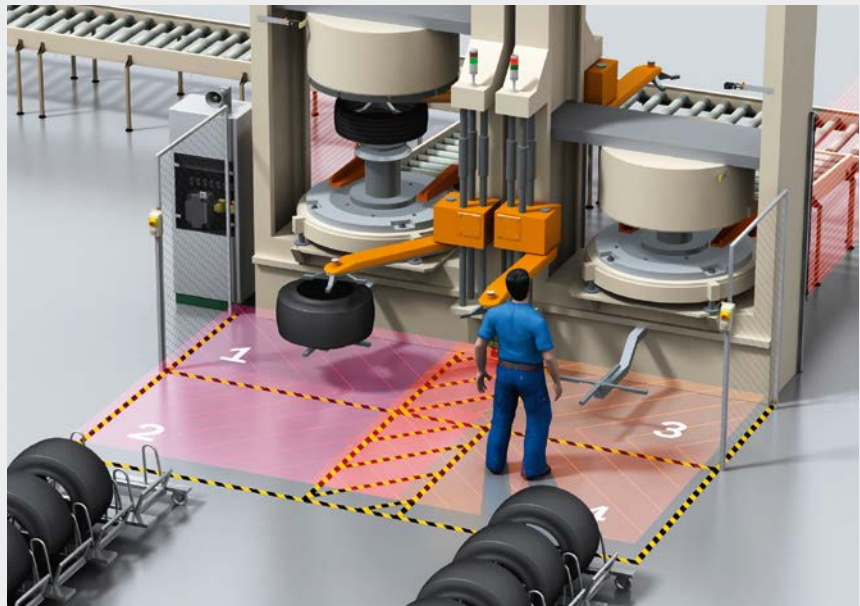
Flexible and application-oriented

- Adaptable to a wide range of situations via 8 freely configurable fields
- Individual integration into fabric layout thanks to the integrated switch for star, line, and ring topologies (Device Level Ring)

Fields of Application

In conjunction with a safe EtherNet/IP™ control, the microScan3 Core – EtherNet/IP™ offers protection in a wide range of applications:

- Horizontal hazardous area protection at loading and unloading stations in addition to multi-sided machine safeguarding
- Vertical access protection and hazardous point protection at machines and machine gates
- 2 in 1: Initiate a stop safely and control restart
- Sim-4-Safety: Ensures safety for people and productivity for machines
- Protection even under harsh ambient conditions



Sim-4-Safety: 4 simultaneous protective fields for protecting a tire curing machine

Ordering information

Scope of delivery:

Safety laser scanner with system plug and cover plate, safety notes, and mounting instructions

For download:

- Operating instructions → www.sick.com/microScan3_Core
- Safety Designer (configuration and diagnostic software) → www.sick.com/safety_designer

Integration in the control	Protective field range	Type	Part no.
EtherNet/IP™	4 m	MICS3-ABAZ40IZ1P01	1082015
	5.5 m	MICS3-ABAZ55IZ1P01	1082016

For more information and accessories required for commissioning, visit → www.sick.com/microScan3_Core

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SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 8,000 employees and over 50 subsidiaries and equity investments as well as numerous agencies worldwide, we are always close to our customers. 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 various 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 round out 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:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, India, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Poland, Romania, Russia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, USA, Vietnam.

Detailed addresses and further locations → www.sick.com