

deTem

Efficient access protection



Advantages



Produce quickly instead of losing time

The profitability of an investment begins with quick commissioning. The deTem safety light-beam sensors are ready to use in no time at all – thanks, among other things, to the integrated laser alignment aid and the intelligent column concept. Displays with multi-colored status LEDs and a top LED directly on the device provide additional support.



Simply aligned

Alignment is child's play for both single-sided and multi-sided access protection: like the device column, the mirror column is rotated and aligned directly on the base plate.



Precisely adjusted

The integrated laser alignment aid, which is visible at up to 90 m, and the micro-alignment function ensure precise alignment of the deTem devices.



Ready for immediate use

All deTem variants are equipped with standardized connections, brackets and accessories to ensure they are ready for use quickly. The wiring is standardized with M12 connectors.



Revolutionary simple alignment concept



SINGLE-SIDED, MULTI-SIDED, VERSATILE

The deTem safety light-beam sensors are particularly economical for protecting large areas and access means. They monitor access to a hazardous area that people enter regularly but not frequently, e.g., to interact with a machine. Simply select the ideal function package for you according to the situation on-site and the required scanning range.



Access protection up to 8 m

The deTem A/P variants are ideal for protecting small access means. These consist of an active part with a sender and receiver unit, and a passive, cable-free part. This minimizes the installation effort and increases the cost-effectiveness.



Single and multi-sided access protection up to 90 \mbox{m}

The long-range deTem Core and deTem4 variants are suitable for protecting large access points. For multi-sided access protection, mirror columns are used as well.



CUSTOMIZED ACCESS PROTECTION



Muting solutions for a continuous material flow

deTem safety light-beam sensors with intelligent differentiation between person and material protect people without machines stopping or having to be stopped unnecessarily. The material flows smoothly, which ensures high productivity.



Flexible 2- or 4-signal muting

With the deTem4 A/P and DMM4 muting module, you can freely configure the muting parameters of your application using the Safety Designer software.

To the video "Flexibly configurable 2-/4-signal muting with DMM4"



Pre-configured complete muting kit

With the deTem4 LT Muting A/P, you get a complete plug-and-play kit for plants with pallet conveyor systems. The kit includes pre-installed and aligned muting sensors.



Simple 2-signal muting

Benefit from economically attractive X or L muting by combining the deTem4 A/P, SP2 system plug, and muting connector.

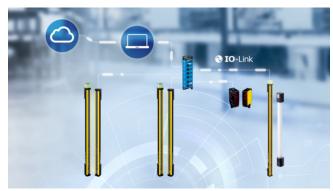


High productivity with tailored muting variants



Secure your connection to the future

Remote or on-site diagnosis? You decide. IO-Link and NFC provide reliable support in all cases. You have direct access to service and process data for efficient error analysis and continuous process optimization. In this way you will be ready for the future when it comes to safety and automation.



Safety and automation combined

Increase system productivity with fast error analyses and process optimizations. Diagnostic data can be read out in real time and from any location via IO-Link. This provides you with comprehensive sensor data for improved maintenance and process optimization, which increases system productivity.



Diagnostics by smartphone

Using the NFC interface and the SICK Safety Assistant app, you can access data directly on the device via smartphone. No time-consuming connection facility is required. In combination with the DIP switch wizard, you can quickly configure deTem and obtain information for diagnostic purposes.

To the SICK Safety Assistant App video



Fast troubleshooting, reduced maintenance effort and optimized processes



For specific environments: special deTem variants

The requirements on safety multibeam sensors are different depending on the industry. In food production and processing, hygiene standards are paramount, while in explosive areas, high ruggedness and reliable ignition protection are required. For this reason, SICK has developed various deTem versions that are specially adapted to the different industry requirements and at the same time offer high flexibility and productivity.



For hygiene-sensitive areas

Access protection for areas with high hygiene standards is provided by the IP69K variants: the housings of the photoelectric sensors are easy to clean. They are made from food-friendly plastic and stainless steel. deTem IP69K variants meet Ecolab and Diversey certifications.



In explosive environments

Explosion-proof deTem variants are IECEx and ATEX certified and suitable for the following fields of application: Zone 1/21: deTem4 Core Ex in a fully assembled and pressure-resistant, enclosed explosion-proof housing (Ex II 2GD). Zone 2/22: deTem variants Ex II 3GD with extended ignition protection and special mechanical resilience.



For the individual requirements of your industry: reliable protection for specific environments



Technical data overview

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Safety level	PL c, SIL 1, Type 2 PL e, SIL 3, Type 4
Scanning range	3.2 m 90 m (depending on type)
Number of beams	1 4 (depending on type)
Beam separation	300 mm 500 mm (depending on type)
Integrated laser alignment aid	- / √ (depending on type)
End cap with integrated LED	- / √ (depending on type)
Enclosure rating	IP65 IP67 IP66 IP69K (depending on type)
Ambient operating temperature	-30 °C +55 °C (depending on type)

Product description

The deTem safety light-beam sensor offers high flexibility and efficiency in access protection and human-material differentiation in automated material flows. Useful functions of the safety light-beam sensor simplify and speed up the alignment process, thereby saving time during installation. The NFC and IO-Link interfaces form the digital basis for error and cause analysis. This can be carried out both on site and remotely. SICK also provides scalable function packages: from Core variants to flexibly configurable muting. Choose what best suits your requirements and move into the future with confidence.

At a glance

- Large scanning range: up to 90 m in a compact housing
- · Integrated alignment aids: Status LEDs and alignment laser with a visibility of 90 m
- Remote and on-site diagnosis via IO-Link and NFC
- Flexible 2- and 4-signal muting
- Core variants for cost-efficient protection
- · Standardized connection, operating and accessories concept

Your benefits

- With deTem, you can flexibly and efficiently protect single- and multi-sided access means to hazardous areas
- The safety light-beam sensors are quick and easy to align, saving you valuable time
- · Combine safety with automation and also use sensor data for upstream and downstream processes
- Wide range of options for smart differentiation between man and material
- · Scalable function packages give you the choice: from Core variants to flexibly configurable muting
- · Consistent implementation in your machine design: deTem and deTec are based on a standardized platform

Fields of application

- Single and multi-sided access protection
- Access protection with human-material differentiation for automated material flows (muting)

Ordering information

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

deTem2 Core

- · Normal industrial environment
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL c, SIL 1, Type 2
- Protective operation
- · Visual display on device
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
17 m	2	500 mm	Receiver	M2C-EA02500A10	1085564
			Sender	M2C-SA0250LA10	1085562
	3	400 mm	Receiver	M2C-EA03400A10	1085567
			Sender	M2C-SA0340LA10	1085565
	4	300 mm	Receiver	M2C-EA04300A10	1085570
			Sender	M2C-SA0430LA10	1085568
90 m	2	500 mm	Receiver	M2C-EA02500A10	1085564
			Sender	M2C-SA0250HA10	1085563
	3	400 mm	Receiver	M2C-EA03400A10	1085567
			Sender	M2C-SA0340HA10	1085566
	4 300 mm	300 mm	Receiver	M2C-EA04300A10	1085570
			Sender	M2C-SA0430HA10	1085569

deTem4 Core

- · Normal industrial environment
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- · Protective operation
- · Visual display on device
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
17 m	2	500 mm	Receiver	M4C-EA02500A10	1082686
			Sender	M4C-SA0250LA10	1082684
	3	400 mm	Receiver	M4C-EA03400A10	1082689
			Sender	M4C-SA0340LA10	1082687
	4	300 mm	Receiver	M4C-EA04300A10	1082692
			Sender	M4C-SA0430LA10	1082690
90 m	2	500 mm	Receiver	M4C-EA02500A10	1082686
			Sender	M4C-SA0250HA10	1082685
	3	400 mm	Receiver	M4C-EA03400A10	1082689
			Sender	M4C-SA0340HA10	1082688
	4	300 mm	Receiver	M4C-EA04300A10	1082692
			Sender	M4C-SA0430HA10	1082691

deTem2 Core A/P

- Normal industrial environment
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL c, SIL 1, Type 2
- Protective operation
- Visual display on device, Smartphone app via NFC (SICK Safety Assistant), Visual display on device, Smartphone app via NFC (SICK Safety Assistant)
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
3.2 m	2	500 mm	Passive unit	PSN01-2501	1101921
	4	300 mm	Passive unit	PSN02-2301	1102144
			Active unit	M2C-ZA04300C10	1102647
7 m	4	300 mm	Active unit	M2C-ZA04300C10	1102647
			Passive unit	PSN02-3301	1103067
3.2 m	2	500 mm	Active unit	M2C-ZA02500C10	1102646
8 m	2	500 mm	Active unit	M2C-ZA02500C10	1102646
			Passive unit	PSN01-3501	1103066

deTem4 Core A/P

- · Normal industrial environment
- · Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- · Protective operation
- Visual display on device, Smartphone app via NFC (SICK Safety Assistant), Visual display on device, Smartphone app via NFC (SICK Safety Assistant)
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
3.2 m	2	500 mm	Passive unit	PSN01-2501	1101921
	4	300 mm	Passive unit	PSN02-2301	1102144
			Active unit	M4C-ZA04300C10	1102645
7 m	4	300 mm	Active unit	M4C-ZA04300C10	1102645
			Passive unit	PSN02-3301	1103067
3.2 m	2	500 mm	Active unit	M4C-ZA02500C10	1102644
8 m	2	500 mm	Active unit	M4C-ZA02500C10	1102644
			Passive unit	PSN01-3501	1103066

deTem2 Core IP69K

- Areas with special hygiene requirements
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL c, SIL 1, Type 2
- · Protective operation
- · Visual display on device
- Connecting cable, 5-wire

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
15.5 m	2	500 mm	Receiver	M2C-EB02500A10	1089985
			Sender	M2C-SB0250LA10	1089984
	3	400 mm	Receiver	M2C-EB03400A10	1089987
			Sender	M2C-SB0340LA10	1089986
	4	300 mm	Receiver	M2C-EB04300A10	1089989
		Sender	M2C-SB0430LA10	1089988	

deTem4 Core IP69K

- Areas with special hygiene requirements
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- · Protective operation
- · Visual display on device
- Connecting cable, 5-wire

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
15.5 m	2	500 mm	Receiver	M4C-EB02500A10	1089978
			Sender	M4C-SB0250LA10	1089977
	3 40	400 mm	Receiver	M4C-EB03400A10	1089980
			Sender	M4C-SB0340LA10	1089979
	4 300 mm	300 mm	Receiver	M4C-EB04300A10	1089982
		Sender	M4C-SB0430LA10	1089981	

deTem2 Core Ex II 3GD

- · Explosive areas
- Ex II 3G/3D
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL c, SIL 1, Type 2
- Protective operation
- Visual display on device
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
17 m	2	500 mm	Receiver	M2C-EX02500A10	1093899
			Sender	M2C-SX0250LA10	1093813
	3	400 mm	Receiver	M2C-EX03400A10	1093903
			Sender	M2C-SX0340LA10	1093900
	4 300 mm	300 mm	Receiver	M2C-EX04300A10	1093909
		Sender	M2C-SX0430LA10	1093904	

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
90 m	2	500 mm	Receiver	M2C-EX02500A10	1093899
			Sender	M2C-SX0250HA10	1093898
	3	400 mm	Receiver	M2C-EX03400A10	1093903
			Sender	M2C-SX0340HA10	1093902
	4 300 mm	300 mm	Receiver	M2C-EX04300A10	1093909
		Sender	M2C-SX0430HA10	1093906	

deTem4 Core Ex II 3GD

- Explosive areas
- Ex II 3G/3D
- Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- Protective operation
- Visual display on device
- Male connector M12, 5-pin

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
17 m	2	500 mm	Receiver	M4C-EX02500A10	1092041
			Sender	M4C-SX0250LA10	1092039
	3	400 mm	Receiver	M4C-EX03400A10	1092044
			Sender	M4C-SX0340LA10	1092042
	4 300 mm	300 mm	Receiver	M4C-EX04300A10	1092047
			Sender	M4C-SX0430LA10	1092045
90 m	2	500 mm	Receiver	M4C-EX02500A10	1092041
			Sender	M4C-SX0250HA10	1092040
	3	400 mm	Receiver	M4C-EX03400A10	1092044
			Sender	M4C-SX0340HA10	1092043
	4	300 mm	Receiver	M4C-EX04300A10	1092047
		Sender	M4C-SX0430HA10	1092046	

deTem4 Core Ex

- · Explosive areas
- Ex II 2G / 2D, NFPA 70 / NEC 500, classes I, II, III, div. 1
- · Single-sided access protection, Multi-sided access protection, Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- · Protective operation
- · Visual display on device
- · Connecting cable, 5-wire
- Sensor pre-assembled in explosion-proof enclosure including connecting cable (30 m, 5-wire, flying leads). Depending on national regulations and requirements, a cable gland may have to be installed. The cable gland is available as an accessory.

Scanning range	Number of beams	Beam separation	System part	Туре	Part no.
14.2 m	2	500 mm	Receiver	EXE-06D0250A020	1097716
		Sender	EXS-06D0250A020	1097717	
	3	400 mm	Receiver	EXE-09D0340A020	1097719
			Sender	EXS-09D0340A020	1097720
	4	4 300 mm	Receiver	EXE-12D0430A020	1097722
			Sender	EXS-12D0430A020	1097723

- · Explosive areas
- \bullet Ex II 2G / 2D, NFPA 70 / NEC 500, classes I, II, III, div. 1
- Single-sided access protection, Multi-sided access protection
- PL e, SIL 3, Type 4
- · Protective operation
- · Visual display on device
- · Connecting cable, 5-wire
- Sensor pre-assembled in explosion-proof enclosure including connecting cable (30 m, 5-wire, flying leads). Depending on national regulations and requirements, a cable gland may have to be installed. The cable gland is available as an accessory.
- System part: pair

Scanning range	Number of beams	Beam separation	Туре	Part no.
14.2 m	2	500 mm	EXP-06D0250A020	1097715
	3	400 mm	EXP-09D0340A020	1097718
	4	300 mm	EXP-12D0430A020	1097721

deTem4

- Normal industrial environment
- Single-sided access protection, Multi-sided access protection, Differentiation between person and material
- PL e, SIL 3, Type 4
- Protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material
- Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer)
- Depending on system plug (M12 male connector, 5-pin or 8-pin)
- The system plug has to be ordered separately. For details, see "Accessories".

Scanning range	Number of beams	Beam sep- aration	Laser align- ment aid	Top LED	System part	Туре	Part no.
90 m	1	-	✓	-	Sender	M4P-SA01000B00	1128430
			-	-	Receiver	M4P-EA01000C00	1128434
				-	Sender	M4P-SA01000A00	1128426
	2	500 mm	✓	-	Sender	M4P-SA02500B00	1128431
			-	✓	Receiver	M4P-EA02500D00	1128438
				-	Receiver	M4P-EA02500C00	1128435
				-	Sender	M4P-SA02500A00	1128427
	3	400 mm	✓	-	Sender	M4P-SA03400B00	1128432
			-	✓	Receiver	M4P-EA03400D00	1128439
				-	Receiver	M4P-EA03400C00	1128436
				-	Sender	M4P-SA03400A00	1128428
	4	300 mm	✓	-	Sender	M4P-SA04300B00	1128433
			-	✓	Receiver	M4P-EA04300D00	1128440
				-	Receiver	M4P-EA04300C00	1128437
				-	Sender	M4P-SA04300A00	1128429

- · Normal industrial environment
- Single-sided access protection, Multi-sided access protection, Differentiation between person and material, Single-sided access protection, Multi-sided access protection, Differentiation between person and material, Single-sided access protection, Multi-sided access protection, Differentiation between person and material
- PL e, SIL 3, Type 4
- Protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material
- Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer)
- Depending on system plug (M12 male connector, 5-pin or 8-pin)
- Scope of delivery of sender and receiver without system plug. The system plugs must be ordered separately. For details, see "Accessories".

Scanning range	Number of beams	Beam sep- aration	Laser align- ment aid	Top LED	System part	Туре	Part no.
90 m	1	-	✓	-	Receiver	M4P-EA01000C00	1128434
					Sender	M4P-SA01000B00	1128430
			-	-	Receiver	M4P-EA01000C00	1128434
					Sender	M4P-SA01000A00	1128426
	2	500 mm	1	-	Receiver	M4P-EA02500D00	1128438
					Sender	M4P-SA02500B00	1128431
					Receiver	M4P-EA02500C00	1128435
					Sender	M4P-SA02500B00	1128431

deTem

Scanning range	Number of beams	Beam sep- aration	Laser align- ment aid	Top LED	System part	Туре	Part no.
			-	✓	Receiver	M4P-EA02500D00	1128438
					Sender	M4P-SA02500A00	1128427
				-	Receiver	M4P-EA02500C00	1128435
					Sender	M4P-SA02500A00	1128427
	3	400 mm	✓	✓	Receiver	M4P-EA03400D00	1128439
					Sender	M4P-SA03400B00	1128432
				-	Receiver	M4P-EA03400C00	1128436
					Sender	M4P-SA03400B00	1128432
			-	✓	Receiver	M4P-EA03400D00	1128439
					Sender	M4P-SA03400A00	1128428
				-	Receiver	M4P-EA03400C00	1128436
					Sender	M4P-SA03400A00	1128428
	4	300 mm	•	1	Receiver	M4P-EA04300D00	1128440
					Sender	M4P-SA04300B00	1128433
				-	Receiver	M4P-EA04300C00	1128437
					Sender	M4P-SA04300B00	1128433
			-	✓	Receiver	M4P-EA04300D00	1128440
					Sender	M4P-SA04300A00	1128429
				-	Receiver	M4P-EA04300C00	1128437
					Sender	M4P-SA04300A00	1128429

deTem4 A/P

- · Normal industrial environment
- Single-sided access protection, Differentiation between person and material, Single-sided access protection, Differentiation between person and material, Single-sided access protection, Differentiation between person and material
- PL e, SIL 3, Type 4
- Protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material, protective operation, beam coding, restart interlock, external device monitoring (EDM), Differentiation between person and material
- Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer), Visual display on device, Application diagnostic output (ADO), Smartphone app via NFC (SICK Safety Assistant), PC software via IO-Link (SOPAS), PC software via DMM4 (Safety Designer)
- Depending on system plug (M12 male connector, 5-pin or 8-pin)
- The system plug has to be ordered separately. For details, see "Accessories".

Scanning range	Number of beams	Beam separation	Top LED	System part	Туре	Part no.
3.2 m	2	500 mm	✓	Passive unit	PSN01-2501	1101921
			-	Passive unit	PSN01-2501	1101921
	4	300 mm	✓	Passive unit	PSN02-2301	1102144
			-	Passive unit	PSN02-2301	1102144
			✓	Active unit	M4P-ZA04300D00	1102636
7 m	4	300 mm	✓	Active unit	M4P-ZA04300D00	1102636
				Passive unit	PSN02-3301	1103067
3.2 m	4	300 mm	-	Active unit	M4P-ZA04300C00	1102634
7 m	7 m 4	300 mm	-	Active unit	M4P-ZA04300C00	1102634
				Passive unit	PSN02-3301	1103067
3.2 m	2	500 mm	✓	Active unit	M4P-ZA02500D00	1102635
8 m	8 m 2	500 mm	✓	Active unit	M4P-ZA02500D00	1102635
				Passive unit	PSN01-3501	1103066
3.2 m	2	500 mm	-	Active unit	M4P-ZA02500C00	1102633
8 m	2	500 mm	-	Active unit	M4P-ZA02500C00	1102633
				Passive unit	PSN01-3501	1103066

deTem4 LT Muting A/P

- Normal industrial environment
- PL e, SIL 3, Type 4
- deTem4 LT muting A/P (protective operation, beam coding, restart interlock, muting, C1 muting release)
- Male connector M12, 8-pin
- IP65, IP67
- Certificates and other downloads can be found with the components included with delivery: M4M-ZA04300D20 active unit (1096014) and GL6-P0311S94 muting sensors (1102710).

Scanning range	Number of beams	Beam separation	End cap with in- tegrated LED	Туре	Part no.
3.2 m	4	300 mm		L-muting left	1108692
				L-muting right	1108691
				T-muting	1110584

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

