Dx35
Mid Range Distance Sensors

Larger than life performance – flexible measurement
and detection up to 35 m

SICK
Sensor Intelligence.

Dx35 – reliable measurement with no compromises

The versatile Dx35 product family stands out thanks to its compact design and reliable performance. Proprietary HDDM technology ensures stable and accurate measurements at any time. In addition, a remarkably small housing size and a reduced blind zone, makes the Dx35 the number one choice for use in confined spaces with a range of up to 35 m.

Lightning fast response time
The Dx35's response time can be adjusted to keep track of even the fastest production processes.

Ultimate in glare-resistance
Other optical sensors on the market can provide unstable measurements due to ambient light. The Dx35's statistical time-of-flight technology always produces stable measurements.

Ignores background reflections
Get rock solid target detection and measurement with SICK's time-of-technology, which ignores even the most shiny background materials.
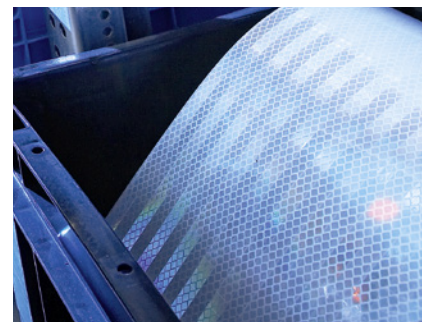
HDDM technology

Wide range of models

HDDM
high definition distance measurement

5 cm

Compact design

5 cm

Smallest blind zone

Reliable measurements of extremely dark objects

No cross talk
The Dx35's coded transmission pulses allow several sensors to be used simultaneously in confined spaces.

Precise no matter the color
HDDM technology guarantees precise time-of-flight measurement across the entire color spectrum.

Solves most difficult applications
The Dx35 detects and measures both extremely dark and shiny objects, as well as objects tilted at extreme angles – an impossible task with other sensors in the market.
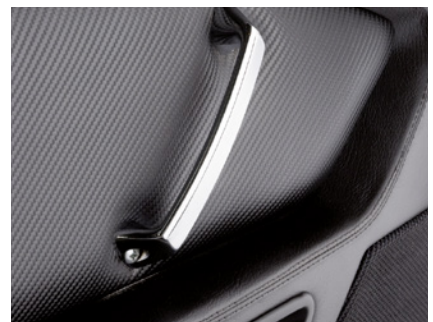
Multiple set-up options …

Direct teach-in function on the sensor
Cut down on your commissioning costs with the quick and easy teach-in function on the control panel.

External teach wire
External teach-in allows simple and fast remote set-up if no access is available during the running process.
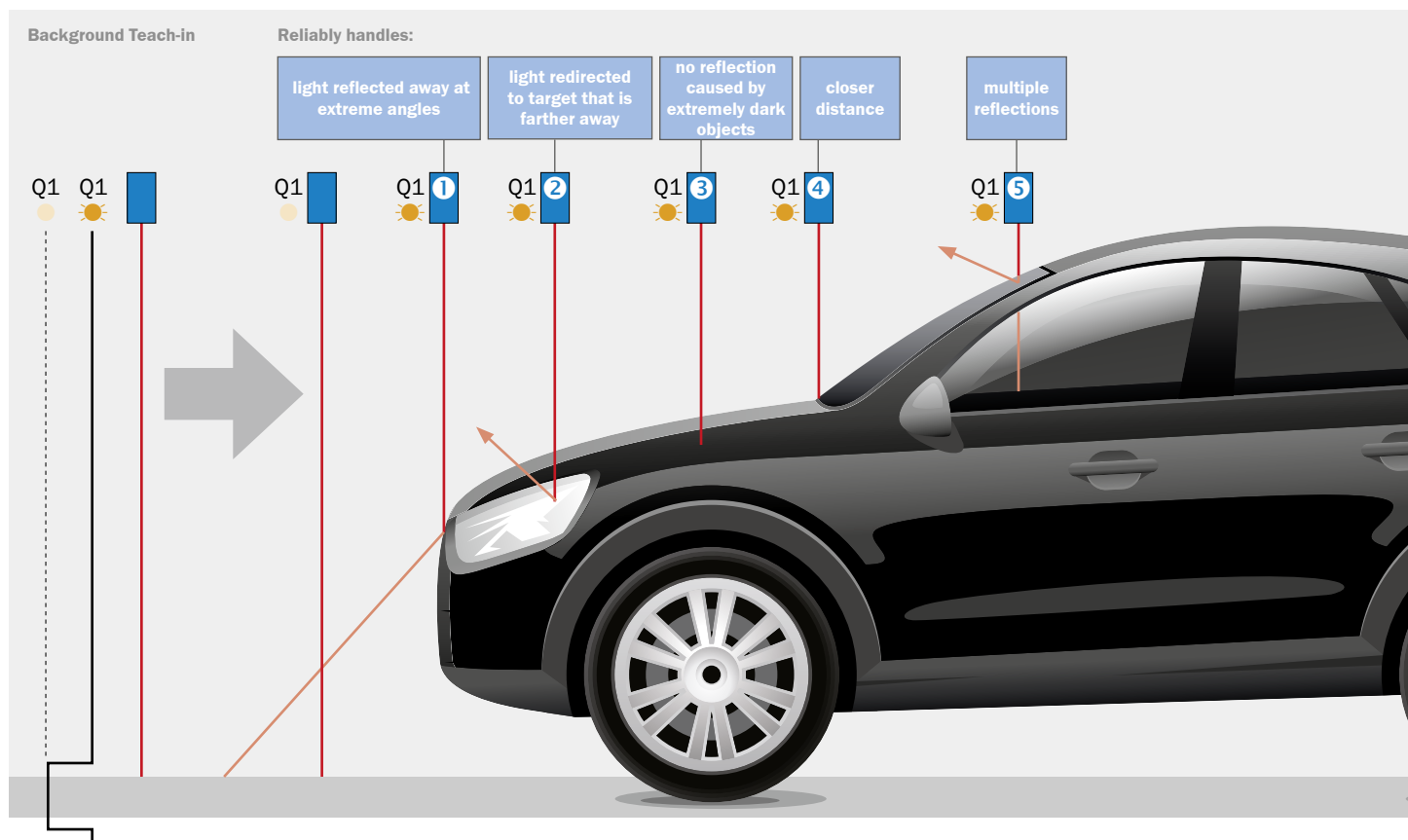
Communication via IO-Link
With IO-Link a switching output turns into a communication interface. This enables quick batch change-over and simple commissioning, maintenance and diagnostics.

Teach-in

Teach-in

IO-Link

Simple solution for complex applications
The Dx35 provides three different switching modes to meet the requirements of any application including complex ones. These are: "Distance to Object" "Window" and "Object Between Sensor and Background" (OBSB, see **illustration**).

Window

OBSB

Background Teach-in

Reliably handles:

| light reflected away at extreme angles | light redirected to target that is farther away | no reflection caused by extremely dark objects | closer distance | multiple reflections |

Q1   Q1

Q1   Q1 ①   Q1 ②   Q1 ③   Q1 ④   Q1 ⑤

... and flexible in any application

Reliable monitoring of storage space occupancy or fill level in distribution and warehousing systems

Inspection
Ensures high quality vehicle manu-facturing and error-proofing by reliably detecting small parts from a safe distance.

Positioning
Precise and automatic positioning of shuttles, forklifts and the load which can be of any color and structure.
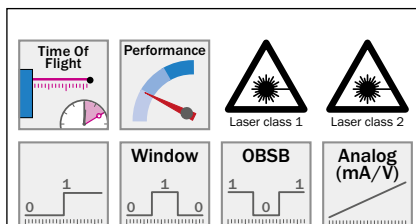

Stacking
Optimized and faster production processes due to reliable monitoring of filling and stacking levels.

Larger than life performance – flexible measurement and detection up to 35 m

Time Of Flight	Performance	Laser class 1	Laser class 2
Window	OBSB	Analog (mA/V)	

CE ◇III◇ RoHS 2002/95/EC c(UL)us LISTED

IO-Link
CDRH

Additional information

Product description

The Dx35 family of distance sensors, based on HDDM™ technology, combine maximum reliability, measuring capabilities, flexibility and the perfect price-performance ratio in a very compact housing.

Depending on the application, sub-product families are available for distance measurement on natural objects (DT35 and DS35) or on reflective tape (DL35 and DR35).

The sub-product families also come with different interfaces. In addition to the IO-Link function, which all the devices have, the product family also offers sensors with analog and switching output (DT and DL) or the option of two switching outputs (DS and DR).

Its final distinguishing feature when selecting the right sensor for the application is the light sender: infrared or red light in laser class 1 or 2.

At a glance

- Maximum reliability, immunity to ambient light, and best price/performance ratio thanks to HDDM™ technology
- Measuring range of 0.05 m to 12 m for natural objects or 0.2 m to 35 m on reflective tape
- Devices with analog and switching output, or just switching
- Infrared or red laser in class 1 or class 2
- Repeatability: 0.5 mm to 5 mm
- Small housing size
- IO-Link

Your benefits

- Precise and reliable measurement regardless of object color extends run time and process quality
- A small size and blind zone make flexible mounting possible when space is limited
- Optimum solution thanks to flexible settings for speed, range and repeatability
- Flexible interface use: 4 mA to 20 mA, 0 V to 10 V, PNP output, NPN output, or IO-Link – making machine integration simple
- Offering easy alignment, optimal performance or inconspicuous measurement, versatile light senders make it an ideal solution for all scenarios
- Low investment costs and high performance levels guarantee a quick return on investment
- IO-Link offers full process control, from commissioning to service
- A wide variety of control options ensures rapid commissioning and fast batch changes

→ **www.mysick.com/en/Dx35**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Detailed technical data

Performance

	DT35	DS35	DL35	DR35
Resolution	0.1 mm			
Repeatability [1] [2]	0,5 mm ... 5 mm [3]		0,5 mm ... 5 mm [4]	
Accuracy	Typ. ± 10 mm [3]		Typ. ± 15 mm [4]	
Switching frequency [5] [6]				
Red laser, class 2	333 Hz / 100 Hz / 50 Hz / 25 Hz / 6 Hz		–	
Red laser, class 1	166 Hz / 50 Hz / 25 Hz / 12 Hz / 3 Hz		333 Hz / 100 Hz / 50 Hz / 25 Hz / 6 Hz	
Infrared laser, class 1	333 Hz / 100 Hz / 50 Hz / 25 Hz / 6 Hz			
Output rate [5] [7]				
Red laser, class 2	1 ms / 2 ms / 4 ms / 8 ms / 32 ms		–	
Red laser, class 1	2 ms / 4 ms / 8 ms / 16 ms / 64 ms		1 ms / 2 ms / 4 ms / 8 ms / 32 ms	
Infrared laser, class 1	1 ms / 2 ms / 4 ms / 8 ms / 32 ms			
Light source				
Red laser, class 2	Laser, red [8]		–	
Red laser, class 1	Laser, red [9]		Laser, red [10]	
Infrared laser, class 1	Laser, infrared [11]			
Laser class				
Red laser, class 2	2 (EN 60825-1)		–	
Red laser, class 1	1 (EN 60825-1)			
Infrared laser, class 1	1 (EN 60825-1)			
Typ. light spot size (distance)	15 mm x 15 mm (at 2 m)			
Additional function	Set speed: Super Fast ... Super Slow Teach-in of switching output Invertible switching output IO-Link Multifunctional input: laser off / external teach input / inactive Reset to factory default			
	Switching mode: Distance to Object (DtO) / switching window (Wnd) / object between sensor and background (OBSB)		Switching mode: Distance to reflective tape (DtR) / switching window (Wnd) / object between sensor and background (OBSB)	
	Teach-in of analog output Invertible analog output Output Q$_2$, selectable: 4 mA ... 20 mA / 0 V ... 10 V / switching output		Teach-in of analog output Invertible analog output Output Q$_2$, selectable: 4 mA ... 20 mA / 0 V ... 10 V / switching output	
Laser service life (MTTF at 25 °C)	100,000 h			

[1] Equivalent to 1 σ.

[2] See characteristic curves repeatability.

[3] 6 % ... 90 % remission.

[4] On reflective tape "Diamond Grade".

[5] Dependent on the set speed: Super Fast ... Super Slow.

[6] Lateral entry of object into measuring range.

[7] Continuous change of distance in measuring range.

[8] Wavelength: 658 nm; max. output: 250 mW; pulse duration: 3 ns; pulse repetition rate: 1/250.

[9] Wavelength: 658 nm; max. output: 250 mW; pulse duration: 3 ns; pulse repetition rate: 1/500.

[10] Wavelength: 658 nm; max. output: 120 mW; pulse duration: 3 ns; pulse repetition rate: 1/250.

[11] Wavelength: 827 nm; max. output: 130 mW; pulse duration: 3.5 ns; pulse repetition rate: 1/250.

Interfaces

	DT35	DS35	DL35	DR35
Resolution analog output	12 bit	–	12 bit	–
Multifunctional input (MF) [1]	1 x			
Hysteresis [2]	0 mm ... 11,950 mm		0 mm ... 34,950 mm	
Data interface	IO-Link			

[1] Response time ≤ 60 ms.
[2] Adjustable via IO-Link.

Mechanics/electronics

	DT35	DS35	DL35	DR35
Supply voltage V_s [1] [2]	DC 12 V ... 30 V			
Ripple [3]	≤ 5 V_{pp}			
Power consumption [4] [5]	≤ 1.7 W			
Initialization time	≤ 500 ms			
Warm-up time	≤ 20 min			
Housing material	Plastic (ABS and PC) Acrylic glass (PMMA)			
Connection type	Connector M12, 5-pin			
Indication	LEDs			
Weight	65 g			

[1] Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A.
[2] When using IO-Link output V_s > 18 V. When using analog voltage output V_s > 13 V.
[3] May not fall short of or exceed V_s tolerances.
[4] At 20 °C.
[5] Without load.

Ambient data

Enclosure rating	IP 65, IP 67
Protection class	III
Ambient temperature	Operation: –30 °C ... +55 °C [1] Storage: –40 °C ... +75 °C
Typ. ambient light safety	40 klx
Vibration resistance	EN 60068-2-6 / EN 60068-2-64
Shock resistance	EN 60068-2-27

[1] Uv ≤ 24 V.

Ordering information

Measuring range [1]	Analog output [3]	Switching output [4] [5]	Response time [6] [7]	Variant	Model name	Part no.
50 mm … 12,000 mm, 90 % remission [2]	1 x 4 mA … 20 mA (≤ 450 Ω) / 1 x 0 V … 10 V (≥ 50 kΩ) / –	1 x / 1 x / 2 x push-pull: PNP/NPN (100 mA), IO-Link [3]	2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 2	DT35-B15251	1057652
			4.5 ms / 12.5 ms / 24.5 ms / 48.5 ms / 192.5 ms	Red laser, class 1	DT35-B15551	1057651
50 mm … 5,300 mm, 18 % remission [2]			2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DT35-B15851	1057653
	–	2 x push-pull: PNP/NPN (100 mA), IO-Link	2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 2	DS35-B15221	1057655
50 mm … 3,100 mm, 6 % remission [2]			4.5 ms / 12.5 ms / 24.5 ms / 48.5 ms / 192.5 ms	Red laser, class 1	DS35-B15521	1057654
			2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DS35-B15821	1057656
200 mm … 35,000 mm, on "Diamond Grade"	1 x 4 mA … 20 mA (≤ 450 Ω) / 1 x 0 V … 10 V (≥ 50 kΩ) / –	1 x / 1 x / 2 x push-pull: PNP/NPN (100 mA), IO-Link [3]	2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 1	DL35-B15552	1057657
				Infrared laser, class 1	DL35-B15852	1057658
	–	2 x push-pull: PNP/NPN (100 mA), IO-Link	2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 1	DR35-B15522	1057659
				Infrared laser, class 1	DR35-B15822	1057660

[1] See characteristic curves repeatability.

[2] For speed setting Super Slow.

[3] Output Q_2, selectable: 4 mA … 20 mA / 0 V … 10 V / switching output.

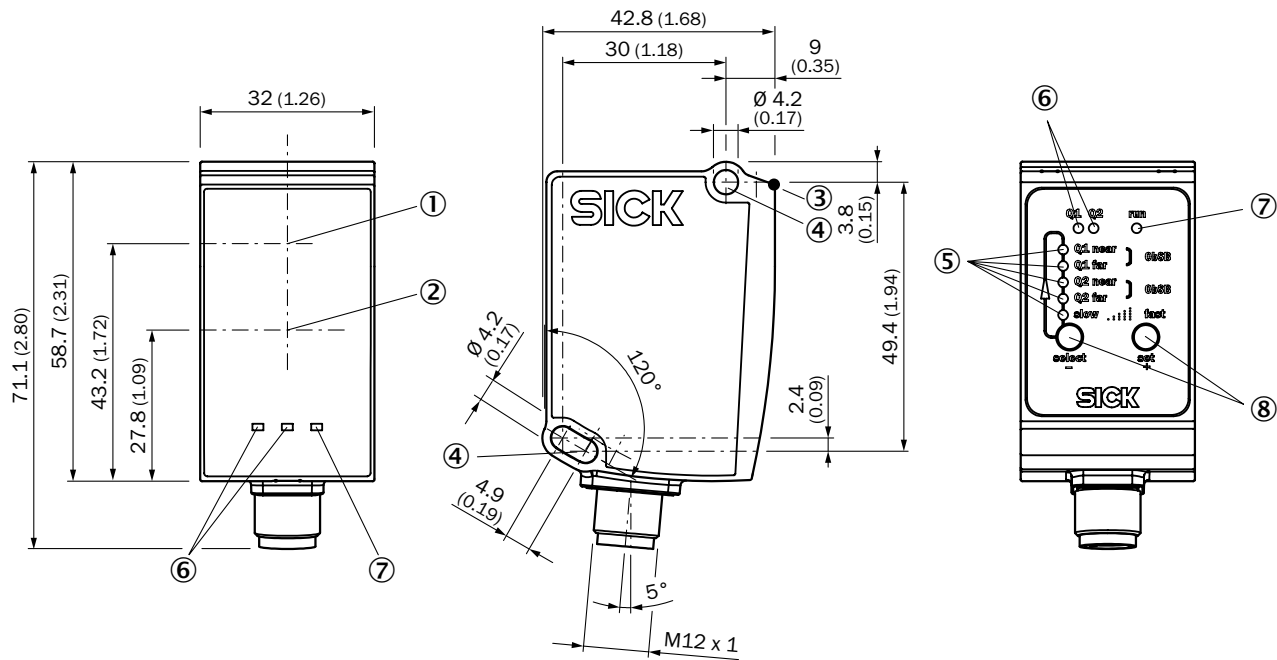[4] Output Q, short-circuit protected.

[5] Voltage drop < 3 V.

[6] Dependent on the set speed: Super Fast … Super Slow.

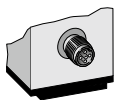[7] Lateral entry of object into measuring range.

Dimensional drawing

dimensions in mm (inch)

① Optical axis, sender
② Optical axis, receiver
③ Zero level
④ Mounting hole M4
⑤ LEDs, teach-in
⑥ LEDs, status Q$_1$/Q$_2$
⑦ Operating indicator
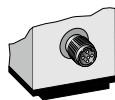⑧ Control elements

Connection type and diagram

DT35, DL35
Connector M12, 5-pin

brn	1	L+
wht	2	Q$_A$/Q2
blu	3	M
blk	4	Q1/C
gra	5	MF ①

① Multifunctional input (MF)

DS35, DR35
Connector M12, 5-pin

brn	1	L+
wht	2	Q2
blu	3	M
blk	4	Q1/C
gra	5	MF ①

① Multifunctional input (MF)

Repeatability

DT35, DS35

Super Slow

Repeatabilty in mm (inch)

Distance in m (feet)
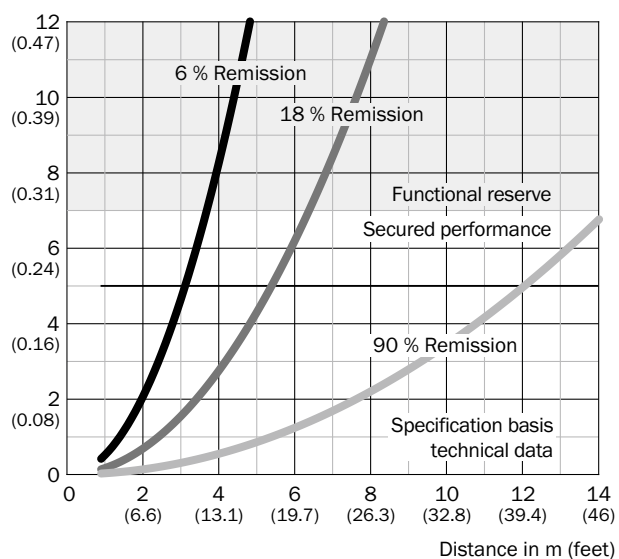
DT35, DS35

Slow

Repeatability in mm (inch)

Distance in m (feet)
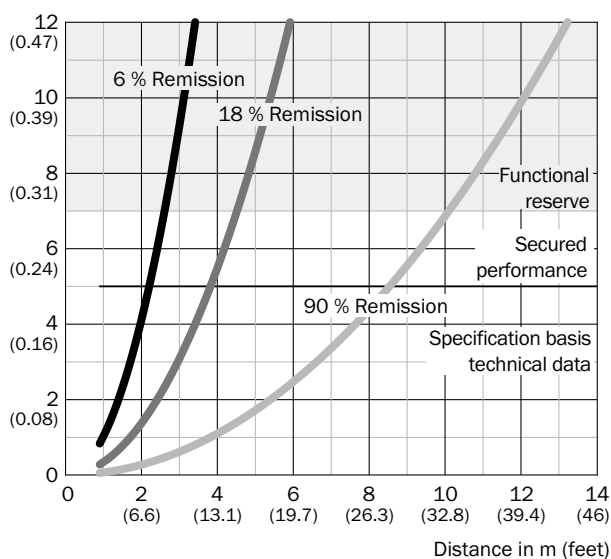
DT35, DS35

Medium

Repeatability in mm (inch)

Distance in m (feet)
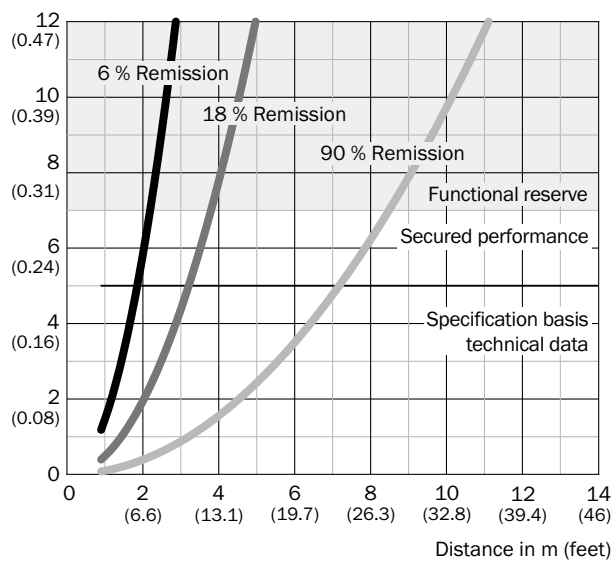
DT35, DS35

Fast

Repeatability in mm (inch)

Distance in m (feet)
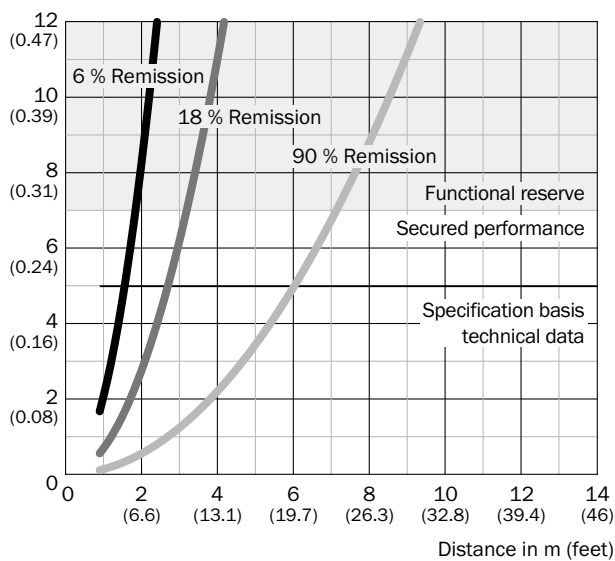
DT35, DS35

Super Fast

Repeatability in mm (inch)

6 % Remission
18 % Remission
90 % Remission

Functional reserve

Secured performance

Specification basis technical data

Distance in m (feet)
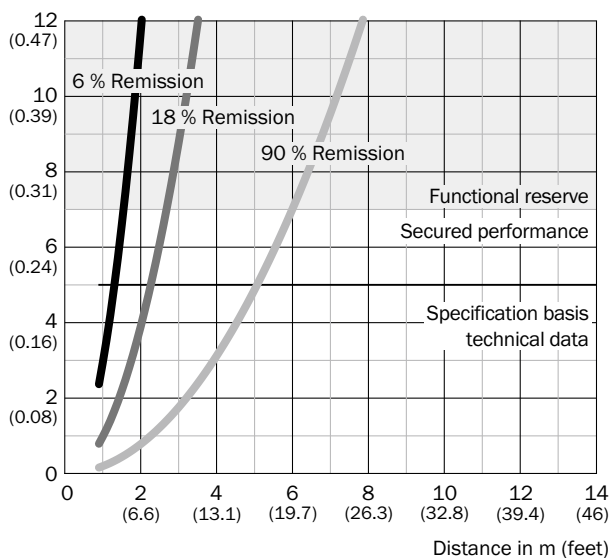
DL35, DR35

Super Slow ... Super Fast

Repeatability in mm (inch)

Super Fast
Fast
Medium
Slow
Super Slow

Functional reserve

Secured performance

Specification basis technical data

Distance in m (feet)
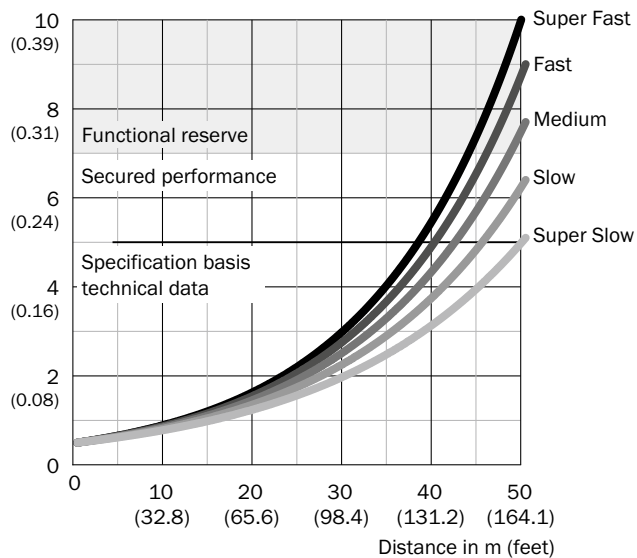
Accessories

Device protection (mechanical)

Front screen protection

Description	Model name	Part no.	DT35	DS35	DL35	DR35
Front screen protection set (protects sensors from damage by flying sparks and welding beads)	LPC-DX35	2067367	●	●	●	●

Mounting brackets/plates

Mounting brackets

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Mounting bracket, steel, zinc coated, incl. mounting material	BEF-WN-DX50	2048370	●	●	●	●
	Mounting bracket: horizontal sending axis for ceiling or floor installation or vertical sending axis for wall installation, steel, zinc coated, incl. mounting material	BEF-WN-DX35	2069592	●	●	●	●

Others

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	IO-Link-Master	IOLSHPB-P3104R01	6039728	●	●	●	●

Plug connectors and cables

Connecting cable (female connector-open)

• **Connection type head B:** cable

	Connection type head A	Material	Special feature	Cable length	Model name	Part no.	DT35	DS35	DL35	DR35
Illustration may differ	Female connector, M12, 5-pin, straight	PVC	–	2 m	DOL-1205-G02M	6008899	●	●	●	●
				5 m	DOL-1205-G05M	6009868	●	●	●	●
				10 m	DOL-1205-G10M	6010544	●	●	●	●
				15 m	DOL-1205-G15M	6029215	●	●	●	●
	Female connector, M12, 5-pin, straight	PUR, halogen-free	–	2 m	DOL-1205-G02MC	6025906	●	●	●	●
				5 m	DOL-1205-G05MC	6025907	●	●	●	●
				9 m	DOL-1205-G09MC	6037154	●	●	●	●
				10 m	DOL-1205-G10MC	6025908	●	●	●	●
			Shielded	5 m	DOL-1205-G05MAC	6036384	●	●	●	●
				10 m	DOL-1205-G10MAC	6036385	●	●	●	●
				20 m	DOL-1205-G20MAC	6036386	●	●	●	●
	Female connector, M12, 5-pin, angled	PVC	–	2 m	DOL-1205-W02M	6008900	●	●	●	●
				5 m	DOL-1205-W05M	6009869	●	●	●	●
				10 m	DOL-1205-W10M	6010542	●	●	●	●
	Female connector, M12, 5-pin, angled	PUR, halogen-free	–	2 m	DOL-1205-W02MC	6025909	●	●	●	●
				5 m	DOL-1205-W05MC	6025910	●	●	●	●
				10 m	DOL-1205-W10MC	6025911	●	●	●	●
	Female connector, M12, 5-pin, angled	PUR, halogen-free	Drag chain use	5 m	DOL-1205-W05MAC	6041751	●	●	●	●
				10 m	DOL-1205-W10MAC	6041752	●	●	●	●

Connection cable (male-female connector)

	Connection type head A	Connection type head B	Cable length	Model name	Part no.	DT35	DS35	DL35	DR35
	Connector, M12, 5-pin, straight	Female connector, M12, 5-pin, straight	1 m	DSL-1205-G01MC	6029280	●	●	●	●
			2 m	DSL-1205-G02MC	6025931	●	●	●	●
			5 m	DSL-1205-G05MC	6029282	●	●	●	●
			10 m	DSL-1205-G10MC	6038954	●	●	●	●
			15 m	DSL-1205-G15MC	6038956	●	●	●	●
			20 m	DSL-1205-G20MC	6038957	●	●	●	●

Female connector (ready to assemble)

	Connection type head A	Model name	Part no.	DT35	DS35	DL35	DR35
	Female connector, M12, 5-pin, straight	DOS-1205-G	6009719	●	●	●	●
	Female connector, M12, 5-pin, straight	DOS-1205-GA	6027534	●	●	●	●
	Female connector, M12, 5-pin, angled	DOS-1205-W	6009720	●	●	●	●

Male connector (ready to assemble)

	Connection type head A	Model name	Part no.	DT35	DS35	DL35	DR35
	Connector, M12, 5-pin, straight	STE-1205-G	6022083	●	●	●	●
	Connector, M12, 5-pin, straight	STE-1205-GA	6027533	●	●	●	●
	Connector, M12, 5-pin, angled	STE-1205-W	6022082	●	●	●	●

Reflectors

Angular shaped

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Reflector plate, reflective tape "Diamond Grade", 330 mm x 330 mm, material base plate: aluminum, screw connection	PL240DG	1017910	–	–	●	●
	Reflector plate, reflective tape "Diamond Grade", 330 mm x 330 mm, material base plate: aluminum, screw connection, heated	PL240DG-H	1022926	–	–	●	●
	Reflector plate, reflective tape "Diamond Grade", 665 mm x 665 mm, material base plate: aluminum, screw connection	PL560DG	1016806	–	–	●	●
	Reflector plate, reflective tape "Diamond Grade", 665 mm x 665 mm, material base plate: aluminum, screw connection, heated	PL560DG-H	1023888	–	–	●	●
	Reflector plate, reflective tape "Diamond Grade", 1,000 mm x 1,000 mm, material base plate: aluminum, screw connection	PL880DG	1018975	–	–	●	●
	Reflector plate, reflective tape "Diamond Grade", 1,200 mm x 1,200 mm, material base plate: aluminum, screw connection	PL1200DG	1051679	–	–	●	●

Reflective tape

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Reflective tape "Diamond Grade", self-adhesive, sheet	REF-DG	5320565	–	–	●	●
	Reflective tape "Diamond Grade", self-adhesive, customizable size by sheet	REF-DG-K	4019634	–	–	●	●

Terminal and alignment brackets

Alignment brackets

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Alignment unit, steel, zinc coated, mounting hardware for the sensor included	BEF-AH-DX50	2048397	●	●	●	●

Universal bar clamp systems

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Plate N02 for universal clamp bracket, mounting hardware	BEF-KHS-N02	2051608	●	●	●	●
	Plate N02N for universal clamp bracket, mounting hardware	BEF-KHS-N02N	2051618	●	●	●	●
	Plate N03 for universal clamp bracket, mounting hardware	BEF-KHS-N03	2051609	●	●	●	●
	Plate N03N for universal clamp bracket, mounting hardware	BEF-KHS-N04N	2051619	●	●	●	●
	Mounting bar, straight, 200 mm, without mounting hardware	BEF-MS12G-A	4056054	●	●	●	●
	Mounting bar, straight, 300 mm, without mounting hardware	BEF-MS12G-B	4056055	●	●	●	●
	Mounting bar, straight, 200 mm	BEF-MS12G-NA	4058914	●	●	●	●
	Mounting bar, straight, 300 mm	BEF-MS12G-NB	4058915	●	●	●	●

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Mounting bar, L-shaped, 150 mm x 150 mm, without mounting hardware	BEF-MS12L-A	4056052	●	●	●	●
	Mounting bar, L-shaped, 250 x 250 mm, without mounting hardware	BEF-MS12L-B	4056053	●	●	●	●
	Mounting bar, L-shaped, 150 mm x 150 mm	BEF-MS12L-NA	4058912	●	●	●	●
	Mounting bar, L-shaped, 250 mm x 250 mm	BEF-MS12L-NB	4058913	●	●	●	●
	Mounting rod, U-shape, bending radius 26 mm	BEF-MS12U	4065437	●	●	●	●
	Mounting bar, Z-shaped, 150 mm x 70 mm x 150 mm, without mounting hardware	BEF-MS12Z-A	4056056	●	●	●	●
	Mounting bar, Z-shaped, 150 mm x 70 mm x 250 mm, without mounting hardware	BEF-MS12Z-B	4056057	●	●	●	●
	Mounting bar, Z-shaped, 100 mm x 150 mm x 200 mm, without mounting hardware	BEF-MS12Z-C	4064563	●	●	●	●
	Mounting bar, Z-shaped, 150 mm x 70 mm x 150 mm	BEF-MS12Z-NA	4058916	●	●	●	●
	Mounting bar, Z-shaped, 150 mm x 70 mm x 250 mm	BEF-MS12Z-NB	4058917	●	●	●	●
	Bar clamp for bar diameter of 12 mm (fixing the mounting rod), 2 screws M6 x 30, 2 spring discs	BEF-RMC-D12	5321878	●	●	●	●

Simple integration into your automation world

Our intelligent sensor solutions and safety controllers make available different integration technologies that allow easy access – from HMI, PLC, and engineering tools – to data from our sensors. In this way, we support you towards solving your application rapidly and easily and increase machine availability with a continuous diagnostic concept.

Industrial communication

SICK's fieldbus and network solutions allow sensors and safety controllers from SICK to be connected to all common automation systems. This guarantees simple and fast access to all available data and information.
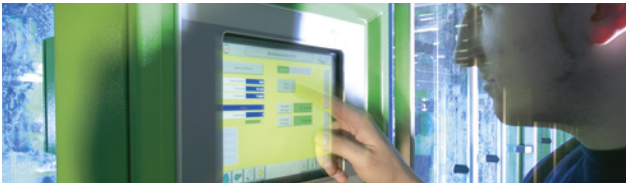
PLC and engineering tool integration

Whether the issue is generic integration using device description files, standardized interfaces (e.g. TCI, FDT/DTM) for diagnosis or integration into the PLC program via function blocks – the user-friendly tools from SICK support you in implementation.

HMI integration

SICK offers a wide range of means to integrate process, status, and diagnostic data from SICK sensors into a visualization system. Tools such as OPC servers, web servers, or SCL allow simple and fast integration into your individual HMI solution – independent of the technology used.

Software and tools

Our software tools support you in establishing connections, parameterizing and diagnosing sensors and safety controllers from SICK. The intuitive user interface permits simple and fast designing and realization of the application required.

www.sick.com/industrial-communication

www.mysick.com – search online and order

**Search online quickly and safely – with the SICK "Finders"**

Product
Applications
Literature
Service
Connection diagram
Accessories
Spare part
Software
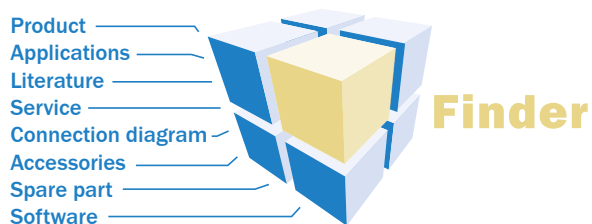
Finder

Product Finder: We can help you to quickly target the product that best matches your application.

Applications Finder: Select the application description on the basis of the challenge posed, industrial sector, or product group.

Literature Finder: Go directly to the operating instructions, technical information, and other literature on all aspects of SICK products.

Efficiency – with the e-commerce tools from SICK
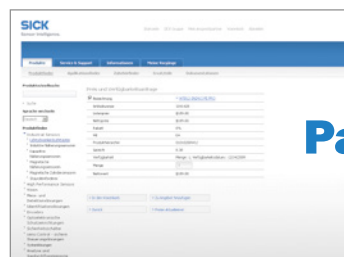
**Partner Portal**
www.mysick.com

Find out prices and availability: Determine the price and possible delivery date of your desired product simply and quickly at any time.

Request or view a quote: You can have a quote generated online here. Every quote is confirmed to you via e-mail.

Order online: You can go through the ordering process in just a few steps.

For safety and productivity: SICK LifeTime Services

SICK LifeTime Services is a comprehensive set of high-quality services provided to support the entire life cycle of products and applications from system design all the way to upgrades. These services increase the safety of people, boost the productivity of machines and serve as the basis for our customers' sustainable business success.

CONSULT
SUPPORT
CHECK
RETROFIT
TRAIN
SICK LifeTime Services
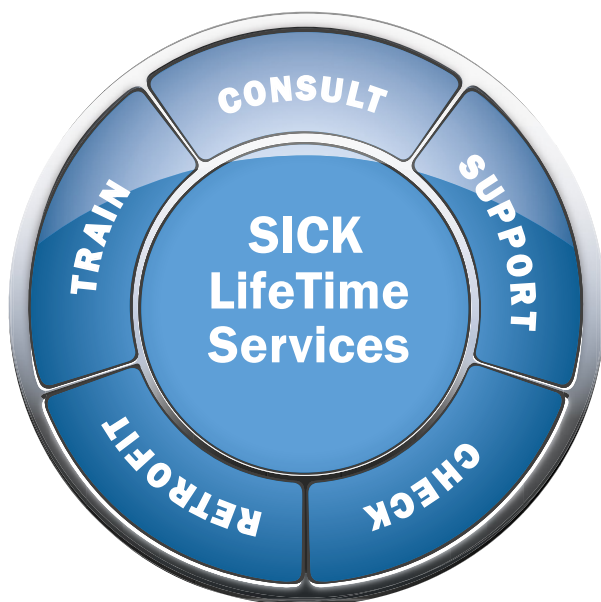
Consulting & Design
Globally available experts for cost-effective solutions

Product & System Support
Fast and reliable, by telephone or on location

Verification & Optimization
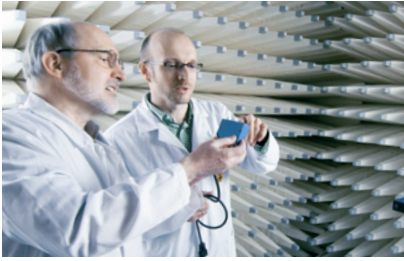Checks and recommendations for increased availability

Upgrade & Retrofits
Uncovers new potential for machines and systems

Training & Education
Employee qualification for increased competitiveness

SICK at a glance

Leading technologies

With a staff of more than 5,800 and nearly 50 subsidiaries and representations worldwide, SICK is one of the leading and most successful manufacturers of sensor technology. The power of innovation and solution competency have made SICK the global market leader. No matter what the project and industry may be, talking with an expert from SICK will provide you with an ideal basis for your plans – there is no need to settle for anything less than the best.

Unique product range

- Non-contact detecting, counting, classifying, positioning and measuring of any type of object or media
- Accident and operator protection with sensors, safety software and services
- Automatic identification with bar code and RFID readers
- Laser measurement technology for detecting the volume, position and contour of people and objects
- Complete system solutions for analysis and flow measurement of gases and liquids

Comprehensive services

- SICK LifeTime Services – for safety and productivity
- Application centers in Europe, Asia and North America for the development of system solutions under real-world conditions
- E-Business Partner Portal www.mysick.com – price and availability of products, requests for quotation and online orders

Worldwide presence with subsidiaries in the following countries:

Australia
Belgium/Luxembourg
Brasil
Ceská Republika
Canada
China
Danmark
Deutschland
España
France
Great Britain
India
Israel
Italia
Japan

México
Nederland
Norge
Österreich
Polska
România
Russia
Schweiz
Singapore
Slovenija
South Africa
South Korea
Suomi
Sverige
Taiwan
Türkiye
United Arab Emirates
USA

Please find detailed addresses and additional representatives and agencies in all major industrial nations at **www.sick.com**

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Sensor Intelligence.

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