Hand-held Scanners:
Quick and Flexible

Reliable scanners for 1D and 2D codes

SICK
Sensor Intelligence.

Contents

THE SCANNERS

The SICK automatic identification product range features stationary and hand-held scanners for 1D and 2D codes. To control material flows in conveyor systems, the stationary scanners decode linear bar codes and/or data matrix codes. When manual scanning is needed, hand-held scanners can also quickly and accurately read these codes.

Automatic identification – monitoring and controlling material flows efficiently

The systematic monitoring of production and logistics offers enormous scope for streamlining your processes. Thanks to our sophisticated automatic identification systems, you can keep track of a product or the goods to be transported. Rapid data acquisition by means of automatic scanners plays a key role here. These scanners must operate reliably and accurately to ensure that the entire system functions properly. With its cutting-edge bar code scanner portfolio, SICK offers the ideal solution.
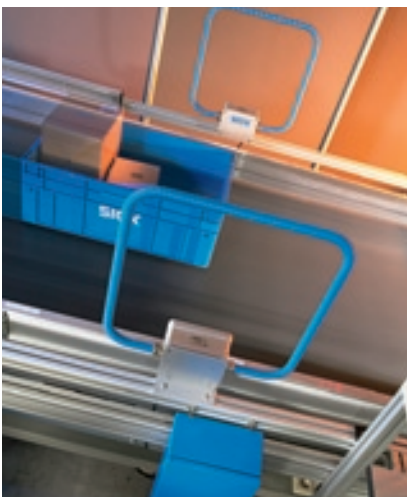
THE SYSTEM

Auto Ident systems feature evaluation flexibility, complex networking capability, and a range of software tools. SICK offers a full range of one-stop auto identification solutions with state-of-the-art technology that leverages the benefits of intelligent, high-performance sensor systems. This is why our portfolio has been expanded to include RFID scanners for reading passive transponders, for example.

THE ENGINEERING

To maximize the potential of our technology, you have to know exactly which options are available to you. You too can benefit from our extensive application expertise. We can help you develop customized solutions designed to fulfill your requirements.

THE APPLICATIONS

Auto Ident systems can be used in a wide variety of applications, including parcel, distribution warehouses, logistics operations, and manufacturing. Whatever the application, Auto Ident solutions from SICK quickly and accurately detect and monitor products to ensure that they are in the right place at the right time. With accurate and reliable results.

Hand-held scanners – the flexible automatic identification solution for increased efficiency

The need to record data quickly and flexibly is an absolute must in almost every line of business. Today, these processes would simply not be possible without automatic scanners. Hand-held scanners are especially practical because they yield instantaneous, flawless results. SICK's hand-held scanners increase efficiency in all areas of business – from the first scan until final shipment.

ORIGINAL EQUIPMENT MANUFACTURERS (OEM)

Efficiency and ergonomics as standard

Manufacturers of leading technical equipment integrate SICK hand-held scanners as a standard component in complex equipment (e.g. automatic clinical laboratory machines). They can be used to scan codes on test tubes quickly and accurately, thereby reducing the time required to carry out analyses. The ergonomic design of SICK hand-held scanners also makes them very user friendly.

DOCUMENT HANDLING

Automating processes in the office

In many processes, important documents need to be recorded and processed. Hand-held bar code scanners can help you optimize this routine work. With just a single scan, data is recorded and ready for immediate processing. Of course, the scanners and accompanying software are perfectly matched and integrated in the process.
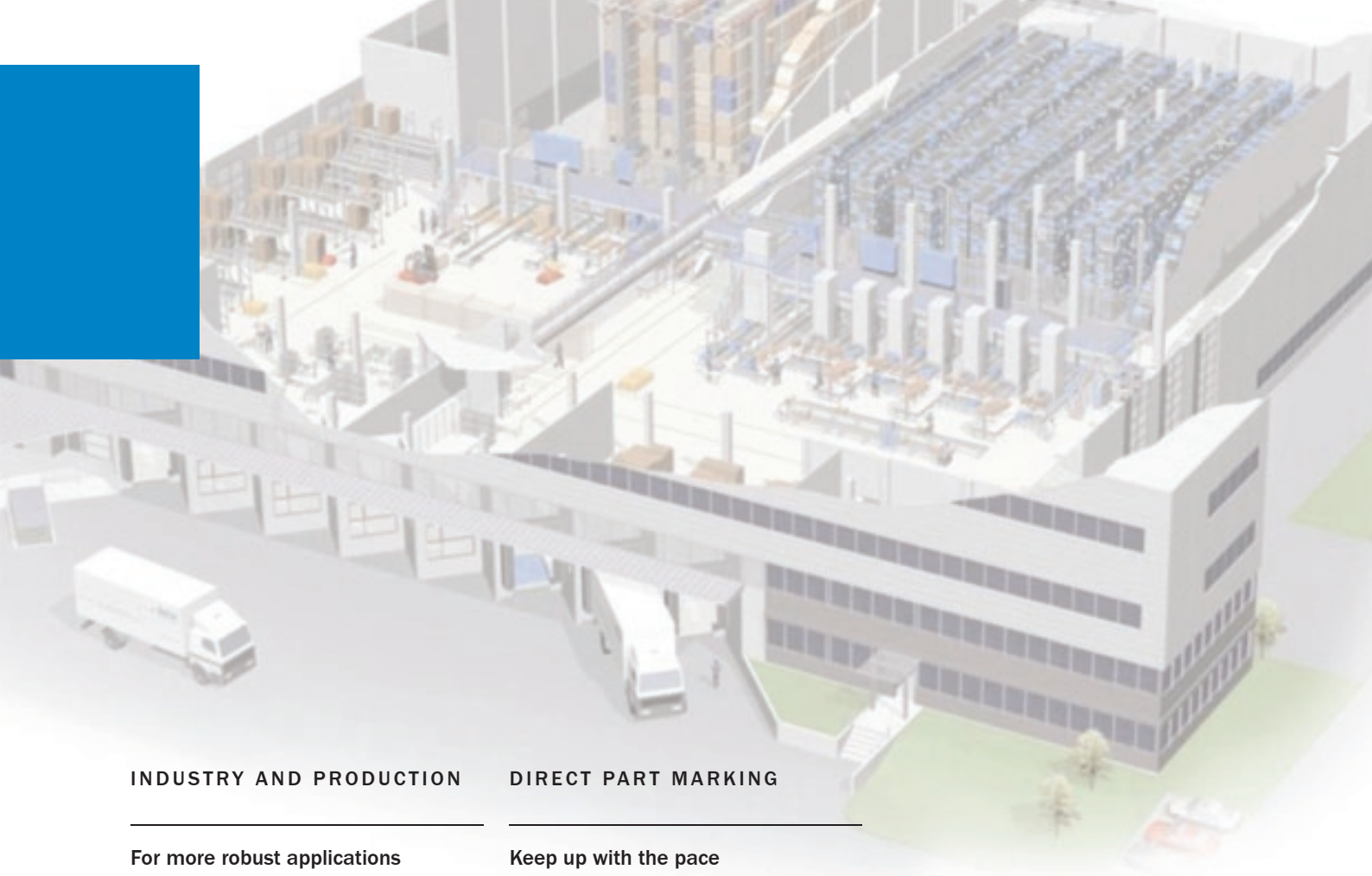
WAREHOUSE AND LOGISTICS

Every movement monitored

The demand for increasingly rapid material flows requires more efficient monitoring solutions. Quick and flexible identification by means of hand-held scanners is the ideal solution here. Whether in manual warehouses for small parts or in automatic logistics centers, wired and wireless hand-held scanners have everything under control.

INDUSTRY AND PRODUCTION

For more robust applications

Harsh industrial environments require more robust devices. Thanks to state-of-the-art imaging technology, SICK hand-held scanners are highly shock resistant because they do not contain any moving parts. SICK hand-held scanners help ensure maximum durability for your application.

DIRECT PART MARKING

Keep up with the pace

With more and more solutions and applications, code identification technology is developing at an increasingly rapid pace. Take direct part marking (DPM)*) for example. Whether printed, dot peened, or laser DPM codes, SICK is always at the cutting edge and offers intelligent and sophisticated solutions for new identification applications.

*) See our "Competence Guide" for more information. Ask your local SICK organization for a copy.

The right scanner for the right code

SICK offers the right hand-held scanner to master every task and allows you to tailor the functions and connection types according to your needs. The optimal solution for your application (wired or wireless) is always at hand – whether you use 1D or 2D.

SPECIALISTS FOR READING 1D CODES

Type	Cable	Wire-less	Page
IDM120	●		8
IDM140	●		8
IT3800g	●		9
IT3800i	●		9
IT3820		●	12
IT3820i		●	12

Bluetooth® is a registered trademark of Bluetooth SIG, USA

SPECIALISTS FOR READING 2D CODES

Type	Cable	Wire-less	Page
IT4600g	●		10
IT4800i	●		10
IT4820		●	12
IT4820i		●	12

RoHS compliant — All hand-held scanners shown are compliant with the EU directive on the restriction of the use of hazardous substances (RoHS)

SPECIALISTS FOR READING DPM CODES

Type	Cable	Wire-less	Page
IT6300 DPM	●		11
IT6320 DPM		●	13

CONNECTION TYPES FOR THE MOST COMMON SYSTEMS*)

USB
- Keyboard wedge
- Serial
- Retail

PS/2
- Keyboard wedge

RS 232
- TTL
- True

*) Refer to page 14 ff for detailed technical specifications

Specialists for reading 1D codes

SICK's hand-held scanners are ideal for reading 1D codes in many industries, including retail, logistics and other markets. SICK offers four cable-connected hand-held devices, which range from a basic contact hand-held scanner to robust, high-performance models for use in industrial environments.

IDM120 – The basic model

IDM120 at a glance:

- 200 scans/s
- Capable of scanning with direct contact to a distance of 15 cm
- PS/2, USB, and RS 232 TTL interface
- 25 drops from 1.5 meters to concrete
- Enclosure rating IP 41
- 2 year warranty

Benefits:

- Robust design at an attractive price
- Easy targeting with highly visible scan line
- Flexible application with scanning via direct contact and in direct vicinity of code
- Higher productivity thanks to quick and reliable scanning
- Trigger switches on both sides to accommodate right- and left-handed users

IDM140 – The versatile helper

IDM140 at a glance:

- Up to 500 scans/s
- Max. reading distance of 320 mm
- PS/2, USB, and RS 232 TTL interface
- 25 drops from 1.6 meters to concrete
- Enclosure rating IP 41
- 2 year warranty

Benefits:

- High scanning speed for high productivity
- Reliable scanning of many different types of code
- Robust design, no moving parts
- Lightweight and ergonomically shaped, easy to hold, easy to use

IT3800g – Improved ergonomics and greater range

IT3800g at a glance:

- Scanning frequency: 270 Hz
- Max. scanning distance: 660 mm
- Weighs just 160 g
- 50 drops from 1.5 meters to concrete
- Enclosure rating IP 41
- 5 year warranty

Benefits:

- Optimum scanning results even with damaged codes
- Simplified scanning via large depth of field
- Suitable for high and low-density codes
- Easy to use thanks to light weight and ergonomic housing

IT3800i – A robust high-performance scanner for industrial environments

IT3800i at a glance:

- Max. scanning distance: 2,100 mm
- 50 drops from 2 meters to concrete
- Enclosure rating IP 54
- 3 year warranty

Benefits:

- Ideal for use in demanding industrial environments
- Robust design for maximum durability
- Optimum scanning results even with badly printed codes

Specialists for reading 2D codes

Monitoring complex processes involves using the high information density of 2D codes. SICK offers two wired hand-held models with integrated state-of-the-art technology for scanning 2D codes.

IT4600g – The all-around scanner for 2D codes

IT4600g at a glance:

- Max. scanning distance: 330 mm
- High density variant
- Ergonomic design
- 50 drops from 1.8 meters to concrete
- Enclosure rating IP 41
- 3 year warranty

Benefits:

- Support for 1D codes, stacked codes, 2D codes, OCR-A, OCR-B, and image capturing in a single device
- High productivity thanks to fast decoding and ease of handling
- Intuitive scanning with omnidirectional reading capability and high degree of motion tolerance
- Easy to use thanks to light weight and ergonomic housing

IT4800i – Highly resilient product for industrial environments

IT4800i at a glance:

- Max. scanning distance: 330 mm
- Robust and compact housing
- Ergonomic design
- 50 drops from 2 meters to concrete
- Enclosure rating IP 54
- 3 year warranty

Benefits:

- Support for 1D codes, stacked codes, 2D codes, OCR-A, OCR-B, and image capturing in a single device
- High productivity thanks to fast decoding and ease of handling
- Intuitive scanning with omnidirectional reading capability and high degree of motion tolerance
- High durability due to robust housing design and lack of moving parts

Directly marked codes are becoming more and more prevalent in the market and require additional hardware features such as integrated LEDs to optimally illuminate the surface to be scanned. The integrated LEDs in SICK hand-held scanners make this illumination effortless.

IT6300 DPM – Reliable scanning of complex DPM codes

IT6300 DPM at a glance:

- Identifies laser, dot-peened, or printed codes
- Robust and compact housing
- Flexible lighting for improved code detection
- Long range version for additional 1D code scanning at distances of up to 15 cm
- Enclosure rating IP 54
- 18 month warranty

Benefits:

- Reliable scanning of even the most complex DPM codes
- Robust design for maximum durability
- Just one device needed for reading laser, dot-peened, or printed codes

Putting the spotlight on DPM codes – with flexible illumination.
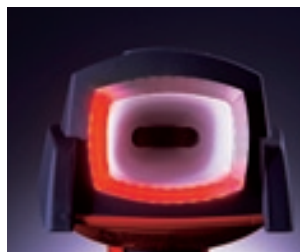
DPM codes are printed on a range of materials – from plastic to metal. Reflection and poor illumination can negatively affect code recognition. With integrated and selective illumination, SICK hand-held scanners for DPM codes can produce reliable results even under difficult lighting conditions.

Diffuser for highly reflective surfaces.

Separate LED zones that switch on/off (e.g. for curved surfaces).

All LEDs switched on for applications that require maximum illumination.

Wireless hand-held scanners

Cables sometimes get in the way and restrict movement when scanning. This is where SICK's range of wireless hand-held scanners comes in. Featuring license-free Bluetooth® technology, these devices ensure optimum mobility within a 10 m / 33 ft radius. Codes scanned outside this range are buffered and transferred to the radio base later on.

IT3820 / IT3820i – Specially designed for 1D code scanning

IT3820 / IT3820i at a glance:

- Max. scanning distance: 1,100 mm
- 10 m radio range
- Codes buffered when you are outside the range
- State-of-the-art lithium ion rechargeable battery
- No tools required for changing battery for IT3820i
- Enclosure rating IP 41 (IT3820), IP 54 (IT3820i)
- 3 year warranty (1 year for battery)

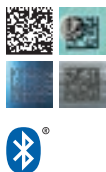## IT4820/IT4820i – Specially designed for 2D code scanning

IT4820/IT4820i at a glance:

- Same scanning properties as IT4600g and IT4800i (see page 10)
- 10 m radio range
- Codes buffered when you are outside the range
- State-of-the-art lithium ion rechargeable battery
- No tools required for changing battery for IT4820i
- Enclosure rating IP 41 (IT4820), IP 54 (IT4820i)
- 3 year warranty (1 year for battery)

IT6320 DPM – Specially designed for wireless DPM code scanning

IT6320 DPM at a glance:

- Same scanning properties as IT6300 DPM (see page 11)
- 10 m radio range
- Codes buffered when you are outside the range
- State-of-the-art lithium ion rechargeable battery
- Flexible illumination (see page 11)
- Enclosure rating IP 54 (base IP 41)
- 18 month warranty (1 year for battery)
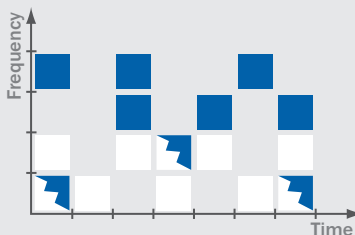
Intelligent, cost-efficient scanning

Up to seven IT3820 or IT4820 scanners can be operated via one IT2020 base station. You too can leverage the cost-cutting potential of network technology.
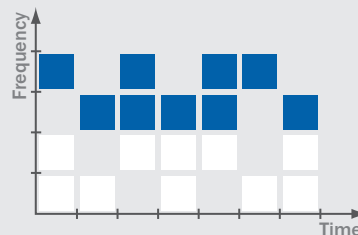

„Adaptive frequency hopping"

Thanks to Bluetooth® V1.2 with intelligent adaptive frequency hopping (AFH), the radio channels of the individual scanners do not conflict with each other. AFH recognizes channels that are already assigned or have interference and automatically locates a free one. This means that wireless hand-held scanners can also be used in the vicinity of other wireless networks (e.g. WLAN).

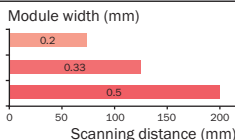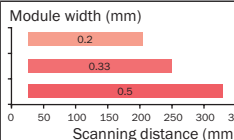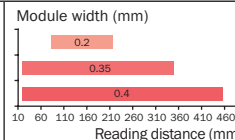**Without adaptive frequency hopping**

With adaptive frequency hopping

- ■ Bluetooth®
- □ WLAN
- ◢ Radio interference

Technical data

	IDM120	IDM140	IT3800g
Code types			
1D	All standard bar codes, Postal Codes and GS1 DataBar	All standard bar codes, Postal Codes and GS1 DataBar	All standard bar codes
2D	–	–	PDF417
DPM	–	–	–
Wireless variant ✦			
	–	–	–
Scanning range			
	Module width (mm) 0.2 / 0.33 / 0.5 — Scanning distance (mm) 0 50 100 150 200	Module width (mm) 0.2 / 0.33 / 0.5 — Scanning distance (mm) 0 50 100 150 200 250 300 350	Module width (mm) 0.2 / 0.35 / 0.4 — Reading distance (mm) 10 60 110 160 210 260 310 360 410 460
Minimum module width	0.1 mm	0.1 mm	0.076 mm
Minimum dot size	–	–	–
Areas of application			
	• Point of sales • Libraries • Clinical analysis • Gen. office automation	• Office automation • Factory automation • Warehouse and logistics	• Factory automation • Warehouse and logistics
Technical specifications			
Scanning frequency	200 scans/s	Up to 500 scans/s	270 scans/s
Supply voltage	5 V DC ± 5 %	5 V DC ± 5 %	5 to 12 V DC (IT3800G15E) 5 V DC (IT3800G14E)
Data interfaces	● USB ● PS/2 ● RS 232 TTL	● USB ● PS/2 ● RS 232 TTL	● USB ● PS/2 ● RS 232 TTL ○ RS 232 True
Dimensions (W x D x H)	230/170/100 mm	97.8/70.5/156.2 mm	110/150/80 mm
Weight	130 g excluding cable	160 g excluding cable	160 g excluding cable
Enclosure rating	IP 41	IP 41	IP 41
Drop tests	25 x from 1.5 m	25 x from 1.6 m	50 x from 1.5 m
Special features	• Linear imager	• Linear imager	• Linear imager • PDF version available
Scope of supply[1]			

[1] See pages 16 through 19 for ordering information and accessories   ● Standard   ○ Optional

IT3820 ✳	IT3800i IT3820i ✳	IT4600g IT4820 ✳	IT4800i IT4820i ✳	IT6300 DPM IT6320 DPM ✳
All standard bar codes	All standard bar codes	All standard bar codes, Postnet	All standard bar codes, Postnet	EAN13, UPC-A, EAN8, UPC-E, 2/5 Interleaved, Code 39, Code 128, Code 93
–		Maxicode, Data Matrix, QR, Atztec, OCR-A, OCR-B, PDF417, Micro PDF, Code 49	Maxicode, Data Matrix, QR, Atztec, OCR-A, OCR-B, PDF417, Micro PDF, Code 49	Data Matrix, QR
–	–	–	–	●
●	●	●	●	●
Module width (mm) 0.2 / 0.35 / 0.5 — Reading distance (mm)	Module width (mm) 0.2 / 0.4 / 0.5 — Reading distance (mm)	Module width/Code size (mm) 0.19 (1D) / 0.25 (2D) — Scanning distance of SF version (mm)	Module width/Code size (mm) 0.19 (1D) / 0.25 (2D) — Scanning distance of SF version (mm)	Code size (mm) 0.13 / 0.25 / 0.5 — Scanning distance (mm)
0.13 mm	0.19 mm (IT3800i) 0.13 mm (IT3820i)	SF: 0.19 mm SR: 0.21 mm HD: 0.13 mm (IT4600g)	SF: 0.19 mm SR: 0.21 mm	Standard: 0.13 mm Long Range: 0.19 mm
–	–	SF: 0.21 mm SR: 0.38 mm HD: 0.17 (IT4600g)	SF: 0.21 mm SR: 0.38 mm	Standard: 0.13 mm Long Range: 0.19 mm
• Picking (goods) • Warehouse and logistics	• Industrial production • Warehouse and logistics	• Electronics industry • Clinical analysis • Document processing	• Warehouse and logistics • Industrial production	DPM code scanning in the: • Automotive industry • Electronics industry • Aviation industry
270 scans/s	270 scans/s	Max. 270 scans/s (bar code)	Max. 270 scans/s (bar code)	Application specific
9 V DC ± 5 %	4.5 to 14 V DC 9 V DC (IT3820i)	4.5 to 14 V DC 9 V DC (IT4820)	4.5 to 14 V DC 9 V DC (IT4820i)	5 V DC (IT6300 DPM) 9 V DC (IT6320 DPM)
● USB ● PS/2 ● RS 232 TTL ● Wall emulation ○ RS 232 True	● USB ● PS/2 ● RS 232 TTL ● RS 232 True (IT3800i) ● Wall emulation ○ RS 232 True (IT3820i)	● USB ● PS/2 ● RS 232 TTL ● RS 232 True (IT4600g) ● Wall emulation ○ RS 232 True (IT4820)	● USB ● PS/2 ● RS 232 TTL ● RS 232 True (IT4800i) ● Wall emulation ○ RS 232 True (IT4820i)	● USB ● PS/2 ● RS 232 TTL ○ RS 232 True (IT6320)
157/135/81 mm	160/135/81 mm	157/135/81 mm	163/135/81 mm	175/134/84 mm
260 g (incl. battery)	213 g (IT3800i) 272 g (IT3820i incl. batt.)	185 g (IT4600g) 260 g (IT4820 incl. batt.)	213 g (IT4800i) 270 g (IT4820i incl. batt.)	270 g (IT6300) 330 g (IT6320 incl. batt.)
IP 41	IP 54 (base IP 41)	IP 41	IP 54 (base IP 41)	IP 54 (base IP 41)
50 x from 1.8 m	50 x from 2 m	50 x from 1.8 m	50 x from 2 m	50 x from 2 m (IT6300) 25 x from 2 m (IT6320)
• Linear imager • Lithium ion battery • Wireless Bluetooth® data transfer V1.2 • 10 m data transmission range	• Linear imager • IT3820i: – Lithium ion battery – Bluetooth® V 1.2 – 10 m data transmission range	• 2D imager • Green alignment line • IT4820: – Lithium ion battery – Bluetooth® V 1.2 – 10 m data transmission range	• 2D imager • Op. temp. up to –10 °C • Green alignment line • IT4820i: – Lithium ion battery – Bluetooth® V 1.2 – 10 m data transmission range	• DPM imager • Flexible lighting • Long range version • IT6320 DPM: – 10 m data transmission range

● Standard ○ Optional

Ordering information

IDM120[1]

Order No.	Type	Description
6036713	IDM120-01BK01	Kit: IDM120, PS/2 keyboard wedge cable, quick-start instructions
6036715	IDM120-01BK03	Kit: IDM120, RS 232 cable, quick-start instructions
6036714	IDM120-01BK02	Kit: IDM120, USB keyboard wedge cable, quick-start instructions
1046549	IDM120 RS232 Power Supply Kit	Kit: IDM120, RS 232 cable, power supply, quick-start instructions
6036716	IDM120-01B	IDM120, quick-start instructions

IDM140[1]

Order No.	Type	Description
6036717	IDM140-01CK01	Kit: IDM140, PS/2 keyboard wedge cable, quick-start instructions
6036720	IDM140-01CK03	Kit: IDM140, RS 232 cable, quick-start instructions
6036719	IDM140-01CK02	Kit: IDM140, USB keyboard wedge cable, quick-start instructions
1046548	IDM140 RS232 Power Supply Kit	Kit: IDM140, RS 232 cable, power supply, quick-start instructions
6036721	IDM140-01C	IDM140, quick-start instructions

IT3800g[1]

Order No.	Type	Description
6034072	IT3800G PS/2 Kit	Kit: IT3800G14E, PS/2 cable, quick-start instructions
6034073	IT3800G RS-232 Kit EU	Kit: IT3800G14E, RS 232 TTL cable, power supply + EU network cable, quick-start instructions
6034074	IT3800G RS-232 Kit UK	Kit: IT3800G14E, RS 232 TTL cable, power supply + UK network cable, quick-start instructions
6034075	IT3800G USB Kit	Kit: IT3800G14E, USB cable, quick-start instructions
6034326	IT3800G14E	IT3800G14E, 5 V power supply only, quick-start instructions
6033410	IT3800G15E	IT3800G15E, 5 to 12 V power supply, quick-start instructions
6037320	IT3800GPDF04E	IT3800GPDF04E, PDF code variant, 5 V power supply only, quick-start instructions
6037321	IT3800GHD24E	IT3800GHD24E, high density variant, 5 V power supply only, quick-start instructions

IT3820[1] ✦

Order No.	Type	Description
6033971	IT3820SR0C0B-0GB0E	Kit: IT3820, base station IT2020-5BE, power supply + EU network cable, operating instructions[2]
6033972	IT3820SR0C0B-0GC0E	Kit: IT3820, base station IT2020-5BE, power supply + UK network cable, operating instructions[2]
6029311	IT3820SR0C0BE	IT3820, lithium ion battery

IT3800i[1]

Order No.	Type	Description
6028179	IT3800ISR030E	IT3800i, version for RS 232 True interface only, quick-start instructions
6028181	IT3800ISR050E	IT3800i, version for USB, PS/2, RS 232 TTL interface, quick-start instructions

IT3820i[1] ✦

Order No.	Type	Description
6037210	IT3820ISR-SERKITBE	Kit: IT3820i, base station IT2020-5BE, RS 232 TTL cable, power supply + EU network cable, quick-start instructions
6037211	IT3820ISR-USBKITBE	Kit: IT3820i, base station IT2020-5BE, USB cable, power supply + EU network cable, quick-start instructions
6037212	IT3820ISRE	IT3820i, lithium ion battery

[1] Refer to page 18 ff for details of power supply, cable, and optional accessories; [2] On CD-ROM

IT4600g[1]

Order No.	Type	Description
6028680	IT4600GSR031CE	IT4600g, version for RS 232 True interface only, standard range optics, quick-start instructions
6028636	IT4600GSF031CE	IT4600g, version for RS 232 True interface only, short range optics, quick-start instructions
6028681	IT4600GSR051CE	IT4600g, version for USB, PS/2, RS 232 TTL interface, standard range optics, quick-start instr.
6028637	IT4600GSF051CE	IT4600g, version for USB, PS/2, RS 232 TTL interface, short range optics, quick-start instr.
6036667	IT4600GHD051CE	IT4600g, version for USB, PS/2, RS 232 TTL interface, high density optics, quick-start instr.

IT4820[1] ❇

Order No.	Type	Description
6034038	IT4820SR0C1CB-0GB0EKIT	Kit: IT4820, standard range optics, base st. IT2020-5BE, power supply + EU network cable, oper. instr.[2]
6034039	IT4820SR0C1CB-0GC0EKIT	Kit: IT4820, standard range optics, base st. IT2020-5BE, power supply + UK network cable, oper. instr.[2]
6034040	IT4820SF0C1CB-0GB0EKIT	Kit: IT4820, short range optics, base st. IT2020-5BE, power supply + EU network cable, oper. instr.[2]
6034041	IT4820SF0C1CB-0GC0EKIT	Kit: IT4820, short range optics, base st. IT2020-5BE, power supply + UK network cable, oper. instr.[2]
6029310	IT4820SR0C1CBE	IT4820, standard range optics, lithium ion battery
6029309	IT4820SF0C1CBE	IT4820, short range optics, lithium ion battery

IT4800i[1]

Order No.	Type	Description
6028682	IT4800ISR031CE	IT4800i, version for RS 232 True interface only, standard range optics, quick-start instructions
6028634	IT4800ISF031CE	IT4800i, version for RS 232 True interface only, short range optics, quick-start instructions
6028683	IT4800ISR051CE	IT4800i, version for USB, PS/2, RS 232 TTL interface, standard range optics, quick-start instructions
6028635	IT4800ISF051CE	IT4800i, version for USB, PS/2, RS 232 TTL interface, short range optics, quick-start instructions

IT4820i[1] ❇

Order No.	Type	Description
6034076	IT4820ISRUSBKITBE	Kit: IT4820i, standard range optics, base station IT2020-5BE, USB cable, power supply + EU network cable, quick-start instructions
6034078	IT4820ISFUSBKITBE	Kit: IT4820i, short range optics, base station IT2020-5BE, USB cable, power supply + EU network cable, quick-start instructions
6034079	IT4820ISRE	IT4820i, standard range optics, lithium ion battery
6034080	IT4820ISFE	IT4820i, short range optics, lithium ion battery

IT6300 DPM[1]

Order No.	Type	Description
6032812	IT6300 DPM	IT6300 DPM, configuration software
6035059	IT6300 DPM LR	IT6300 DPM LR, long range version, configuration software

IT6320 DPM[1] ❇

Order No.	Type	Description
6032813	IT6320 DPM Kit EU	Kit: IT6320 DPM, base station IT2020-5B-DPME, USB cable, power supply + EU network cable, configuration software, quick-start instructions
6032883	IT6320 DPM Kit UK	Kit: IT6320 DPM, base station IT2020-5B-DPME, USB cable, power supply + UK network cable, configuration software, quick-start instructions
6035060	IT6320 DPM LR Kit EU	Kit: IT6320 DPM LR, long range version, base station IT2020-5B-DPME, USB cable, power supply + EU network cable, configuration software, quick-start instructions
6032814	IT6320 DPM	IT6320 DPM, standard optics, lithium ion battery
6035061	IT6320 DPM LR	IT6320 DPM, long range optics, lithium ion battery

[1] Refer to page 18 ff for details of power supply, cable, and optional accessories; [2] On CD-ROM

Power supply, network cables

Order No.	Type	Description	IDM120	IDM140	IT3800g	IT3820	IT3800i	IT3820i	IT4600g	IT4820	IT4800i	IT4820i	IT6300 DPM	IT6320 DPM
6036722	Power supply	Incl. country-specific plug-in adapter, input 100 to 240 V AC, output 5 V DC/2 A (required for use with RS 232 TTL cable)	●[3]	●[4]										
6034941	PS5U-42E	5 V DC, input voltage 100 to 240 V at 47 to 63 Hz, incl. network cable with grounding plug for Europe			●[5]		●		●		●		●	
6034942	PS5U-43E	5 V DC, input voltage 100 to 240 V at 47 to 63 Hz, incl. network cable with plug for UK			●[6]		●		●		●		●	
6034790	PS5U-41E	5 V DC, input voltage 100 to 240 V at 47 to 63 Hz, incl. network cable with plug for USA			●		●		●		●		●	
6034352	PS9U-22E	9 V DC power supply, input voltage 100 to 240 V, output 9 V DC incl. network cable with grounding plug for Europe				●[7]		●[9]		●[10]		●[12]		●[13]
6034353	PS9U-23E	9 V DC power supply, input voltage 100 to 240 V, output 9 V DC, incl. network cable with plug for UK				●[8]		●		●[11]		●		●[14]
6034789	PS9U-21E	9 V DC power supply, input voltage 100 to 240 V, output 9 V DC, incl. network cable with plug for USA				●		●		●		●		●
6034354		Network cable with flat plug for Europe			●	●	●	●	●	●	●	●	●	●
6034357		Network cable with plug for Australia			●	●	●	●	●	●	●	●	●	●

Included in kit: 3) 1046549; 4) 1046548; 5) 6034073; 6) 6034074; 7) 6033971; 8) 6033972; 9) 6037210, 6037211; 10) 6034038, 6034040; 11) 6034039, 6034041; 12) 6034076, 6034078; 13) 6032813, 6035060; 14) 6032883
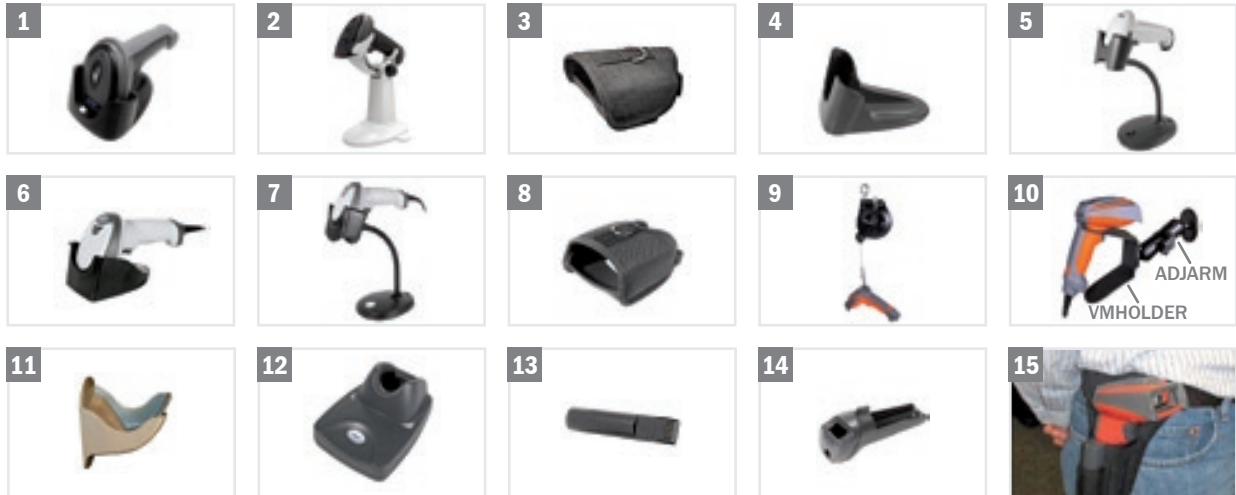
Cables[15]

Order No.	Description	IDM120	IDM140	IT3800g	IT3820	IT3800i	IT3820i	IT4600g	IT4820	IT4800i	IT4820i	IT6300 DPM	IT6320 DPM
6036726	Straight cable for PS/2 keyboard wedge, 2 m	●[16]	●[19]										
6036727	Straight RS 232 TTL cable, 1.8 m	●[17]	●[20]										
6036728	Straight USB cable, 1.8 m	●[18]	●[21]										
6028185	Straight cable for PS/2 keyboard wedge, 2.4 m			●[22]	●	●	●	●	●	●	●		●
6012110	Coiled cable for PS/2 keyboard wedge, 2.8 m			●	●	●	●	●	●	●	●		●
6028232	Straight USB cable, 2.3 m for USB plug type A			●[23]	●	●	●[25]	●	●	●	●[27]		●[28]
6032516	Coiled cable, 2.8 m for USB plug type A			●	●	●	●	●	●	●	●		●
6028186	Straight RS 232 TTL cable, 2.4 m, 9-pin Sub-D socket, voltage on pin 9			●	●	●	●[26]	●	●	●	●		●
6033047	Straight RS 232 TTL cable, 2.3 m, 9-pin Sub-D socket, voltage pick-up for additional power supply			●[24]		●		●		●			
6012109	Coiled RS 232 TTL cable, 2.4 m, 9-pin Sub-D socket, voltage pick-up for additional power supply			●		●		●		●		●	
6025954	Coiled RS 232 TTL cable, 4.5 m, 9-pin Sub-D socket, voltage pick-up for additional power supply			●		●		●		●			
6010819	Coiled RS 232 True cable, 2.4 m, 9-pin Sub-D socket, voltage pick-up for additional power supply						●		●		●		
6010821	Coiled RS 232 True cable, 5 m, 9-pin Sub-D socket, voltage pick-up for additional power supply						●		●		●		
6033020	Coiled cable for PS/2 keyboard wedge, 2.2 m, voltage pick-up for additional power supply											●	
6033019	Coiled cable, 2 m for USB plug type A, voltage pick-up for additional power supply											●	

15) Additional cables available on request
Included in kit: 16) 6036713; 17) 6036715, 1046549; 18) 6036714; 19) 6036717; 20) 6036720, 1046548; 21) 6036719; 22) 6034072; 23) 6034075; 24) 6034073, 6034074; 25) 6037211; 26) 6037210; 27) 6034076, 6034078; 28) 6032813, 6032883, 6035060

ADJARM
VMHOLDER

	Order No.	Type	Description	IDM120	IDM140	IT3800g	IT3820	IT3800i	IT3820i	IT4600g	IT4820	IT4800i	IT4820i	IT6300 DPM	IT6320 DPM
1	6036723	Desk Holder IDM120/140	Desk holder	•	•										
2	6036724	Stand/Stativ IDM140	Stand holder		•										
3	6034805	3800GCOVERE	Protective cover with hanger ring			•									
4	6033411	3800GHOL-DERE	Desk holder			•									
5	6033412	HFSTAND7E	Adjustable stand holder			•									
6	6028227	UHOLDER	Desk holder				•	•	•	•	•	•	•		
7	6028226	HFSTAND5E	Adjustable stand holder				•	•	•	•	•	•	•		
8	6028234	UCOVER	Padded protective cover with hanger ring				•			•	•			•	
9	6028228	TOOLBAL	Tool balancer					•	•		•	•	•	•	•
10	6028229	VMHOLDER	Wall holder (can be combined with ADJARM)					•	•	•	•	•	•	•	•
10	6028231	ADJARM	Height-adjustable, pivoting, and tilting holding arm for VMHOLDER					•	•	•	•	•	•	•	•
11	6022225	SCANHOLDER2	Wall holder			•			•			•	•	•	•
12	6029319	2020-CB-BE	Scanner/battery recharging station, Blue-tooth® wireless module/host interface not included, 9 V power supply + network cable with grounding plug for Europe					•		•		•			•
13	6029317	100000495	Lithium ion replacement battery					•		•		•			•
14	6033887	2000015-76E	Battery holder for separate charging of lithium ion battery (6029317)					•		•		•			•
15	6036657	HOLSTERE	Belt holder for a wireless scanner and lithium ion replacement battery					•		•		•			•
	29)		Visual XPress software			•	•	•	•	•	•	•	•		
	29)		IDM setup tool	•	•										
	29)		IT6300 setup tool											•	•

29) Free download at www.sick.com

Easy configuration

SICK hand-held scanners can be easily programmed using configuration codes or software.

Configuration using configuration codes

The basic settings for hand-held scanners are available as printed configuration bar codes in the manuals. To make the relevant settings, simply scan the bar code.
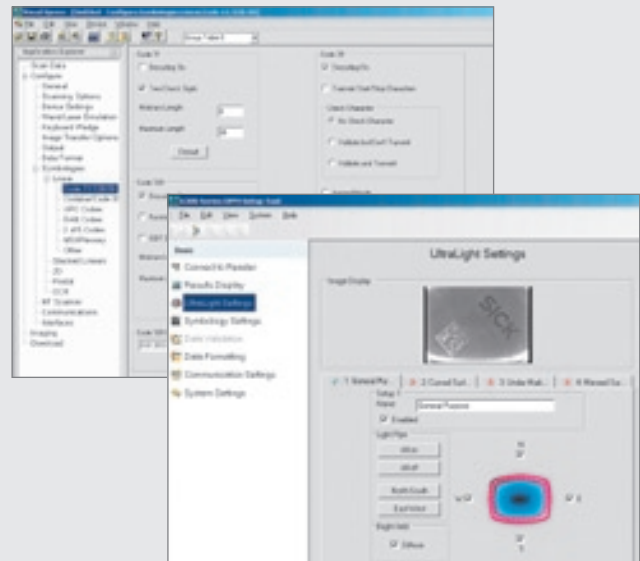
Configuration using software

All hand-held scanners can also be configured using application software. Complete configuration codes allow you to transfer software settings quickly and easily without the need for a PC (2D hand-held scanners only).

Benefits:

- Quick and easy commissioning
- No PC or software required

Benefits:

- All scanner parameters are clearly displayed
- Your settings are stored in configuration files
- Firmware can be upgraded
- Image display for 2D or DPM hand-held scanners
- Individual settings can be printed in cloning codes (2D hand-held scanners only)
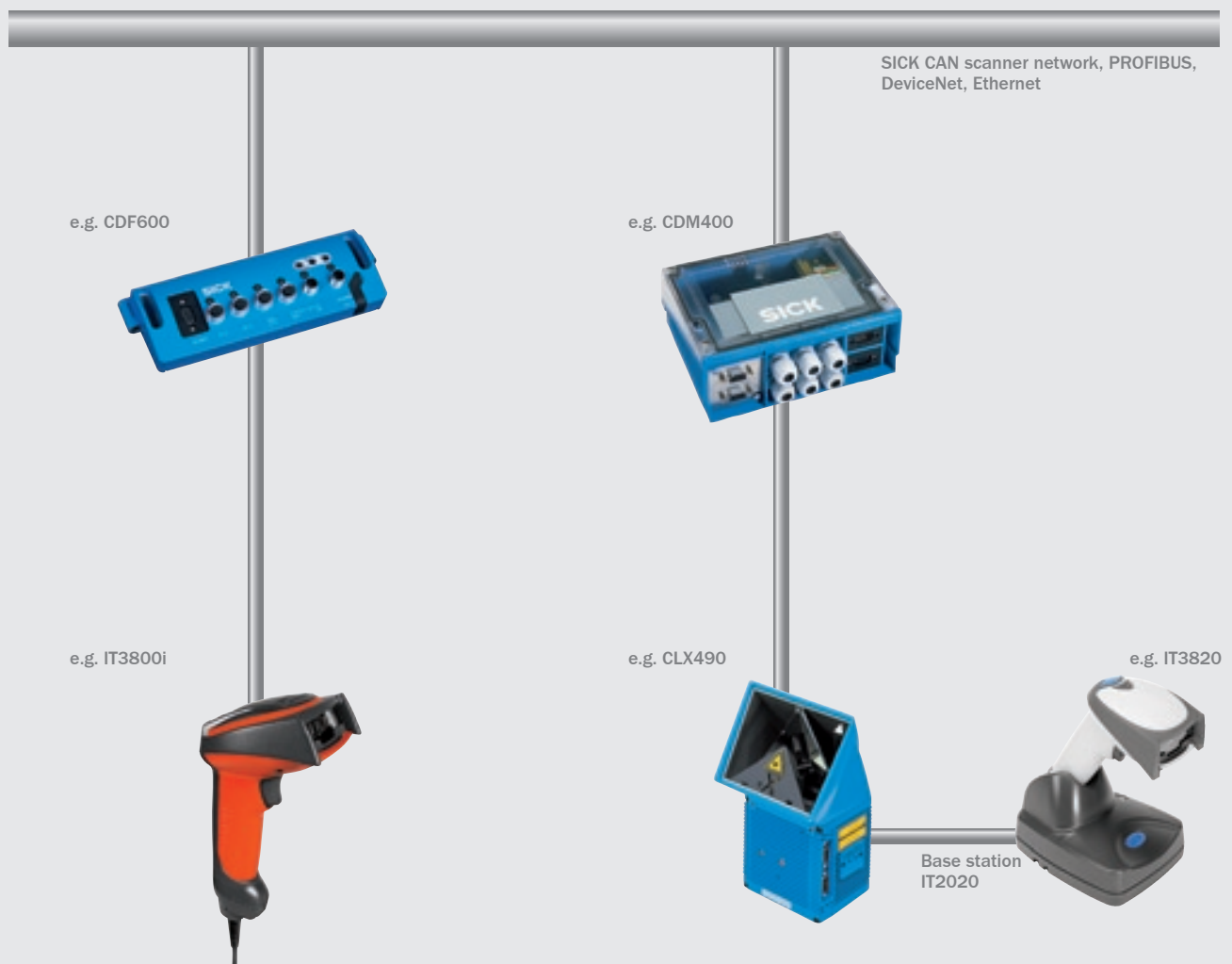
Connecting to a network

SICK hand-held scanners can be connected to each other or integrated in PROFIBUS, DeviceNet, or Ethernet networks using SICK fieldbus gateways. The scanners can be integrated as stand-alone network components or via the auxiliary interface of a fixed bar code scanner.

Stand-alone operation

Integration via the auxiliary interface of a fixed bar code scanner (CLX490 shown here)

SICK CAN scanner network, PROFIBUS, DeviceNet, Ethernet

e.g. CDF600

e.g. CDM400

e.g. IT3800i

e.g. CLX490

e.g. IT3820

Base station IT2020

SICK Service for optimized Auto Ident solutions

Pre-Sales

Application consulting

- Examination of economic practicality
- Assessment of cost-determining parameters
- SICK engineering teams propose best possible individual solution

Engineering

- Intelligent solutions resulting from combination of individual systems
- SICK Quality Management System ensures the high dependability of customer systems

Project management

- SICK project management teams ensure optimum project progress from the planning phase to acceptance

After-Sales

Maintenance

SICK scanners and RFID systems are maintenance-free. Regular cleaning and adjustment work is, however, recommended to ensure optimum performance during the whole operating period, e.g.
- to detect changes in the application
- to repair any damage

Troubleshooting and spare parts

- Co-ordinated spare part and repair concept
- Development of economically interesting models
- Such models and other services agreed in service contracts

Installation phase

Installation and commissioning

- SICK service technicians carry out installation worldwide
- SICK engineers carry out commissioning
- Optimum configuration

Site management

- Smooth project progress through co-ordination of work on site

Acceptance

- SICK Service Specialists confirm the agreed performance features during a trial phase under practical conditions

Hotline

- SICK sales organisations can be contacted via a free technical Hotline
- Questions receive rapid answers or are forwarded to the relevant specialist departments without delay

Training

- Comprehensive training program at SICK or on site
- Tailor-made, product-specific courses for project planners, commissioning technicians and maintenance staff
- Participants receive support in the achievement of their particular tasks within the works

SICK supports you during every phase of your Auto Ident projects – for technically and economically optimum solutions.

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Work online at www.mysick.com

Fast results instead of tedious searching – with the SICK "Finders". Directly usable for everyone, no registration necessary!

- Product search, products and information sensibly linked
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Product Finder

We will guide you fast and straight to the appropriate device for your application.

Applications Finder

Choose the application description based on task, industry/market or product group.
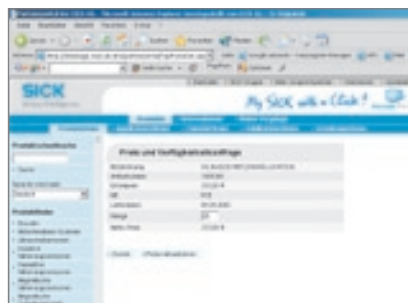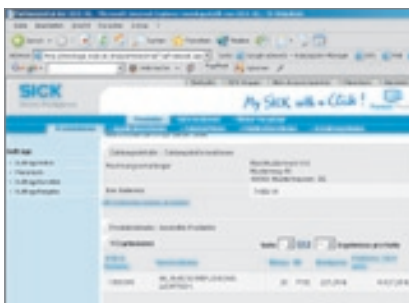
Literature Finder

Access all publications: Operating instructions, technical information, press releases and specialist papers, customer magazines etc.

Other Finders as Services Finder, Connection Diagram Finder, Spare Parts Finder and Accessories Finder at www.mysick.com.

Order and handle at www.mysick.com

Register for free – gain time and safety on development and planning with the SICK e-commerce tools.

Online ordering:

Registered users can place their order at "mysick.com" in just a few steps.

Price and availability query:

Quickly and easily find out the price and delivery date for your sensor solution.

Quotation request:

Each quotation can be accessed online via entering the quotation number. Every quotation will be confirmed by e-mail.

FACTORY AUTOMATION

With its intelligent sensors, safety systems, and auto ident applications, SICK realises comprehensive solutions for factory automation.

- Non-contact detecting, counting, classifying, and positioning of any types of object
- Accident protection and personal safety using sensors, as well as safety software and services

LOGISTICS AUTOMATION

Sensors made by SICK form the basis for automating material flows and the optimisation of sorting and warehousing processes.

- Automated identification with bar code and RFID reading devices for the purpose of sorting and target control in industrial material flow
- Detecting volume, position, and contours of objects and surroundings with laser measurement systems

PROCESS AUTOMATION

Analyzers and Process Instrumentation by SICK MAIHAK provides for the best possible acquisition of environmental and process data.

- Complete systems solutions for gas analysis, dust measurement, flow rate measurement, water analysis or, respectively, liquid analysis, and level measurement as well as other tasks

Worldwide presence with subsidiaries in the following countries:

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China

Danmark

Deutschland

España

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Great Britain

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Israel

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Republic of Korea

Republika Slovenija

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Singapore

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Sverige

Taiwan

Türkiye

USA/Canada/México

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