



SICK Sensor Intelligence.

**BAR CODE SCANNERS** 

BAR CODE SCANNERS



## Ordering information

Туре	Part no.
CLV640-6000	1042022

Other models and accessories → www.sick.com/CLV64x



### Detailed technical data

### Features

Version	Standard Density
Connection type	Cable
Reading field	Oscillating mirror
Scanner design	Line scanner
Focus	Dynamic focus control
Light source	Visible red light (655 nm)
Light spot	Circular
Laser class	2 (IEC 60825-1:2014, EN 60825-1:2014)
Aperture angle	≤ 50°
Scanning frequency	400 Hz 1,200 Hz
Code resolution	0.2 mm 1 mm
Reading distance	45 mm 755 mm <sup>1)</sup>
Oscillating mirror functions	Fixed (adjustable position), oscillating (variable or fixed amplitude), one shot
Oscillation frequency	0.5 Hz 6.25 Hz
Angle of deflection	-20° 20°

 $^{1)}\ensuremath{\mathsf{For}}$  details see reading field diagram.

## Mechanics/electronics

Electrical connection	1 x 15-pin D-Sub HD male connector (0.9 m)
Supply voltage	18 V DC 30 V DC
Power consumption	6.5 W
Housing	Aluminum die cast
Housing color	Light blue (RAL 5012)
Front screen	Glass
Enclosure rating	IP65 (EN 60529)
Protection class	III (EN 61140)

BAR CODE SCANNERS

Weight	420 g, with connecting cable
Dimensions (L x W x H)	95 mm x 107 mm x 41 mm
MTBF	40,000 h
Performance	
Readable code structures	1D
Bar code types	All current code types, Code 39, Code 128, Code 93, Codabar, GS1-128 / EAN 128, UPC / GTIN / EAN, Interleaved 2 of 5, Pharmacode, GS1 DataBar, Telepen, MSI/Plessey
Print ratio	2:1 3:1
No. of codes per scan	1 20 (Standard decoder) 1 6 (SMART decoder)
No. of codes per reading interval	1 50 (auto-discriminating)

500 (for multiplexer function in CAN operation)

5,000

1...99

No. of multiple readings

No. of characters per reading interval

#### Interfaces

Type of fieldbus integration         Optional over external fieldbus module CDF600-2           EtherCAT#         Important ProFinet Dual Port           Type of fieldbus integration         Optional over external fieldbus module CDF600           Serial         Important Profinet           Type of fieldbus integration         AsS-232, RS-422, RS-485           Type of fieldbus integration         Poto-Aux           Type of fieldbus integration         Aux           Type of fieldbus integration         SIGK CAN sensor network CSN (master/slave, multiplexer/server)           Type of fieldbus integration         Obtifis 11 Mbit/s           CANopen         Important Important           Type of fieldbus integration         Optional over external fieldbus module CDF600-2           Poto-Aux         Important Important           Type of fieldbus integration         Optional over external fieldbus module CDF600-2           Poto-Aux         Important Important           Type of fieldbus integration         Optional over external fieldbus module CDF600-2           Poto-Aux         Important Important           Type of fieldbus integration         Optional over external fieldbus module CDF + CMF           Optional over external fieldbus module CDF + CMF         Important Important           Optional over external fieldbus module CDF + CMF         Important Importantexterna	PROFINET		✓
FtherCAT® <ul> <li>Type of fieldbus integration</li> <li>Optional over external fieldbus module CDF600</li> <li>PS-322, RS-422, RS-485</li> <li>Host, AUX</li> <li>Pata transmission rai</li> <li>CAN</li> <li>CAN</li> <li>Cata transmission rai</li> <li>CICK CAN sensor network CSN (master/slave, multiplexer/server)</li> <li>Data transmission rai</li> <li>CICK CAN sensor network CSN (master/slave, multiplexer/server)</li> <li>Data transmission rai</li> <li>CON para</li> <li>Pata transmission rai</li> <li>CISK CAN sensor network CSN (master/slave, multiplexer/server)</li> <li>Data transmission rai</li> <li>Optional over external fieldbus module CDF600-2</li> <li>Proper fieldbus integratio</li> <li>Optional over external fieldbus module CDF600-2</li> <li>Optional over external fieldbus module CDF600-2</li> <li>Stype of fieldbus integratio</li> <li>Optional, over external fieldbus module CDF600-2</li> <li>Optional, over external fieldbus module CDF600-2</li> <li>Consta (ver external fieldbus module CDF600-2</li> <li>Consta (ver external fieldbus module CDF600-2</li> <li>Consta (ver external fieldbus module CDF + CMF</li> <li>Optional, over external fieldbus module CDF + CMF</li> <li>Optional, over external fieldbus module CDF + CMF</li> <li>Consta (ver external fieldbus module CDF + CMF<th></th><th>Type of fieldbus integration</th><th>Optional over external fieldbus module CDF600-2</th></li></ul>		Type of fieldbus integration	Optional over external fieldbus module CDF600-2
Type of fieldbus integrateOptional over external fieldbus module CDF600Serial-, Rs-232, RS-422, RS-485FunctionHost, AUX2400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)CAN-FunctionSICK CAN sensor network CSN (master/slave, multiplexer/server)Data transmission rai0 tokit/s 1 Mbit/sCANopen-Type of fieldbus integration0 tokit/s 1 Mbit/sPROFIBUS DP-Type of fieldbus integration0 tokino external fieldbus module CDF600-2Type of fieldbus integration0 tokino external fieldbus module CDF600-2DeviceNet***-Type of fieldbus integration0 tokino external fieldbus module CDF600-2Digital inputs0 tokino external fieldbus module CDF600-2Digital inputs-Optional over external fieldbus module CDF600-2Digital inputs0 tokino external fieldbus module CDF600-2Digital inputs-Optional, over external fieldbus module CDF600-2Digital inputs, on-powered, serial interface, auto publ		Function	PROFINET Single Port, PROFINET Dual Port
SerialFindHox, AUXData transmission tai4,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)CANFunctionSICK CAN sensor network CSN (master/slave, multiplexer/server)Data transmission tai0 kbit/sData transmission tai0 kbit/sType of fieldbus integration0 kbit/sType of fieldbus integration0 foltonal over external fieldbus module CDF600-2DeviceNet****Type of fieldbus integration0 foltonal over external fieldbus module CDF600-2Digital inputsStree of fieldbus integration0 foltonal over external fieldbus module CDF600-2Digital inputsStree of fieldbus integration0 foltonal over external connection module CDM + CMFDigital inputsStreesor 1*, "Sensor 2*, 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)Digital inputsStreesor 1*, "Result 2*, 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)Reading putseAcoustic indicatorsDigital inputs, non-powered, serial interface, auto pulse, CANAcoustic indicatorsCatar (LEDS)Acoustic indicatorsDigital inputs, non-powered, serial interface, auto pulse, and pulse input enading rate per- cantage (LEDS)A	EtherCAT®		1
Function       Host, AUX         Data transmission tai       2400 Baud115.2 kBaud, AUX: 57.6 kBaud (RS-232)         CAN       Since and Since a		Type of fieldbus integration	Optional over external fieldbus module CDF600
Data transmission rate       2,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)         CAN       Function         Function       SICK CAN sensor network CSN (master/slave, multiplexer/server)         Data transmission rate       20 kbit/s         CANopen       Image: Comparison rate         Tope of fieldbus integration       Optional over external fieldbus module CDF600-2         Tope of fieldbus integration       Optional over external fieldbus module CDF600-2         Proteisert**       Image: Comparison rate         Tope of fieldbus integration       Optional over external fieldbus module CDM + CMF         Digital inputs       Image: Comparison rate         Sigital outputs       ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420         Sigital outputs       Image: Comparison rate         Optional indicators       Optical inputs, non-powered, serial interface, auto pulse, CAN         Optical indicators       Image: Comparison rate         Optical indicators       Second rate, rate, CAN, LNK TX, Barg raph for displaying the reading rate enerting (In LEDS)         Acoustic indicators       Beaper/buzzer (can be switched off, can be allocated as a result indication function)         Optioral indicators       Sondos can distar/stop functions)         Optioral indicators       Sondos can distar/stop functions)	Serial		✔, RS-232, RS-422, RS-485
CAN       Image: Constraint of the constrain		Function	Host, AUX
FunctionBICK CAN sensor network CSN (master/slave, multiplexer/server)Data transmission rate20 kbit/s 1 Mbit/sCANopen-Data transmission rate20 kbit/s 1 Mbit/sPROFIBUS DP-Type of fieldbus integration0tional over external fieldbus module CDF600-2Type of fieldbus integration0tional over external fieldbus module CDF 600-2Type of fieldbus integration0tional over external fieldbus module CDF 400-2Type of fieldbus integration0tional over external connection module CDM + CMFType of fieldbus integration0tional over external connection module CDM + CMFOptical inductors0tional over external connection module CDM + CMFOptical inductors0tional over external connection module CDM + CMFOptical indicators0tipital inputs, "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/2 CDM420Optical indicators0tipital inputs, non-powered, serial interface, auto pulse, CANOptical indicators0eper/buzzer (can be switched off, can be allocated as a result indication function)Optical indicators0eper/buzzer (can be switched off, can be allocated as a result indication function)Optical indicators0eper/buzzer (can be switched off, can be allocated as a result indication function)Optical indicators0eper/buzzer (can be switched off, can be allocated as a result indication function)Optical indicators0eper/buzzer (can be switched off, can be allocated as a result indication function)Optical indication offware0eper/buzzer (can be switched off, can be allocated as a result indication function) <th></th> <th>Data transmission rate</th> <th>2,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)</th>		Data transmission rate	2,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)
Data transmission rate       20 kbit/s 1 Mbit/s         CANopen       20 kbit/s 1 Mbit/s         Data transmission rate       20 kbit/s 1 Mbit/s         PROFIBUS DP       4         Type of fieldbus integration       Topiconal over external fieldbus module CDF600-2         DeviceNet™       4         Type of fieldbus integration       Optional, over external fieldbus module CDM + CMF         Digital inputs       0ptional, over external connection module CDM + CMF         Digital inputs       4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CM420)         Digital outputs       Inputs, non-powered, serial interface, auto pulse, CAN         Optional indicators       Seper/buzzer (can be switched off, can be allocated as a result indication function         Acoustic indicators       Subtons (choose and start/stop functions)         Optional software       SOPA ET	CAN		✓
CANopen       Image: Construction of the decision of t		Function	SICK CAN sensor network CSN (master/slave, multiplexer/server)
Data transmission rate       20 kbit/s 1 Mbit/s         PROFIBUS DP       Image: Comparison of the transmission rate         Type of fieldbus integration       Optional over external fieldbus module CDF600-2         DeviceNet <sup>TM</sup> Image: Comparison of the transmission rate         Type of fieldbus integration       Optional, over external fieldbus module CDM + CMF         Digital inputs       Optional, over external connection module CDM + CMF         Digital outputs       4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)         Digital outputs       4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)         Reading pulse       Digital inputs, non-powered, serial interface, auto pulse, CAN         Optical indicators       6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))         Acoustic indicators       Beeper/buzzer (can be switched off, can be allocated as a result indication function)         Optioal indicators       SoNAS ET		Data transmission rate	20 kbit/s 1 Mbit/s
PROFIBUS DP       Image: Comparison of fieldbus integration of fieldbus integration of fieldbus integration of fieldbus integration of top or external fieldbus module CDF600-2         DeviceNet™       Image: Comparison of fieldbus integration of top or external connection module CDM + CMF         Digital inputs       Optional, over external connection module CDM + CMF         Digital outputs       ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)         Reading pulse       Digital inputs, non-powered, serial interface, auto pulse, CAN         Optical indicators       Beper/buzzer (can be switched off, can be allocated as a result indication function)         Acoustic indicators       Beper/buzzer (can be switched off, can be allocated as a result indication function)         Optioral result       Distons (choose and start/stop functions)         Optioration struct       SOPAS ET	CANopen		✓
Type of fieldbus integration       Optional over external fieldbus module CDF600-2         DeviceNet™       ✓         Type of fieldbus integration       Optional, over external connection module CDM + CMF         Digital inputs       ✓         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Optional over external connection module CDM + CMF         Digital outputs          V          Pigital inputs, ono-powered, serial interface, auto pulse, CAN         Optical indicators          Deperdurg elements          Opticonsi conosicon on consection of conose and start/stop f		Data transmission rate	20 kbit/s 1 Mbit/s
DeviceNet™✓Type of fieldbus integrationOptional, over external connection module CDM + CMFDigital inputs4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)Digital outputs4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)Reading pulseDigital inputs, non-powered, serial interface, auto pulse, CANOptical indicators6 LEDS (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)Configuration softwareSOPAS ET	PROFIBUS DP		✓
Type of fieldbus integrationOptional, over external connection module CDM + CMFDigital inputs4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)Digital outputs4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)Reading pulseDigital inputs, non-powered, serial interface, auto pulse, CANOptical indicators6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)OpAS ET		Type of fieldbus integration	Optional over external fieldbus module CDF600-2
Digital inputs4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)Digital outputs4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)Reading pulseDigital inputs, non-powered, serial interface, auto pulse, CANOptical indicators6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)SOPAS ET	DeviceNet™		1
CDM420)Digital outputs4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)Reading pulseDigital inputs, non-powered, serial interface, auto pulse, CANOptical indicators6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)Configuration softwareSOPAS ET		Type of fieldbus integration	Optional, over external connection module CDM + CMF
CDM420)Reading pulseDigital inputs, non-powered, serial interface, auto pulse, CANOptical indicators6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate per- centage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)Configuration softwareSOPAS ET	Digital inputs		
Optical indicators6 LEDs (Ready, Result, laser, Data, CAN, LNK TX, Bar graph for displaying the reading rate percentage (10 LEDs))Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)Configuration softwareSOPAS ET	Digital outputs		
Acoustic indicatorsBeeper/buzzer (can be switched off, can be allocated as a result indication function)Operating elements2 buttons (choose and start/stop functions)Configuration softwareSOPAS ET	Reading pulse		Digital inputs, non-powered, serial interface, auto pulse, CAN
Operating elements     2 buttons (choose and start/stop functions)       Configuration software     SOPAS ET	<b>Optical indicators</b>		
Configuration software SOPAS ET	Acoustic indicator	S	Beeper/buzzer (can be switched off, can be allocated as a result indication function)
	Operating element	ts	2 buttons (choose and start/stop functions)
Memory card MicroSD memory card (flash card), optional	<b>Configuration soft</b>	ware	SOPAS ET
	Memory card		MicroSD memory card (flash card), optional

BAR CODE SCANNERS

### Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-3 (2001-10) / EN 61000-6-2:2005
Vibration resistance	EN 60068-2-6 (1995)
Shock resistance	EN 60068-2-27 (1993)
Ambient operating temperature	0 °C +40 °C
Storage temperature	-20 °C +70 °C
Permissible relative humidity	90 %, Non-condensing
Ambient light immunity	2,000 lx, on bar code
Bar code print contrast (PCS)	≥ 60 %

### General notes

Note on use	For Ethernet connection please use an Ethernet version of CLV6xx
Classifications	
ECI@ss 5.0	27280102
ECI@ss 5.1.4	27280102
ECI@ss 6.0	27280102
ECI@ss 6.2	27280102
ECI@ss 7.0	27280102
ECI@ss 8.0	27280102
ECI@ss 8.1	27280102
ECI@ss 9.0	27280102
ETIM 5.0	EC002550
ETIM 6.0	EC002550
UNSPSC 16.0901	43211701

61.2 (2.41)

35.3

(1.39) 22

ID M

(0.87)

0

4

9 (0.35)

85 (3.35)

41 (1.61)

SICK

38 (1.50)

(24.1)

(0.95)

6 5

31.2

(1.23)

(30.6)

65.4 (2.57)

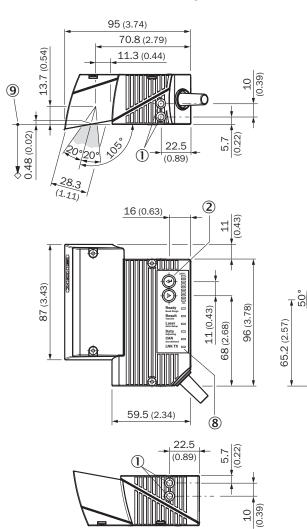
3

82.1 (3.23)

22.4 (0.88)

### Dimensional drawing (Dimensions in mm (inch))

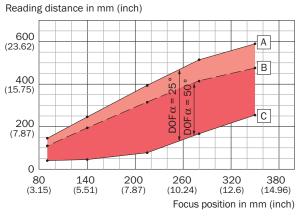
CLV63x/64x/65x Standard, oscillating mirror



- ① Blind hole thread M5, 5 mm deep (2 x), for mounting
- ② Function button (2 x)
- ③ Reading field
- Cover for the microSD memory card
- ⑤ Central position of the deflected laser beam in the V-shaped aperture angle
- (6) Internal impact point: rotation point of the variable direction laser beam
- ⑦ Cable with 15-pin D-sub HD male connector
- (a) LED status indicator (6x) and bar graph
- (9) Reference point for reading distance (from housing edge to object)

**BAR CODE SCANNERS** 

### Reading field diagram



For devices with plastic reading window, the depth of field is reduced by approx. 10 %

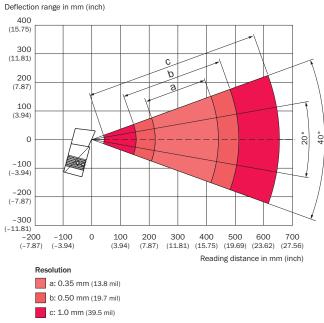
#### Resolution 0.5 mm (19.7 mil)

A max. reading distance (aperture angle 25°)

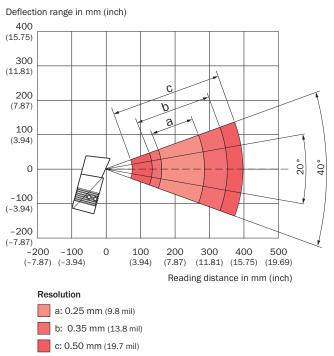
B max. reading distance (aperture angle 50°)

C min. reading distance

### **Deflection width**

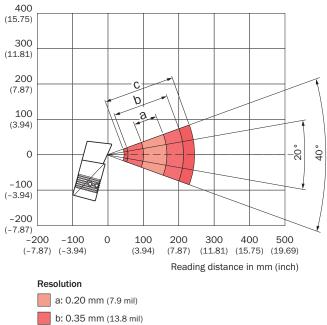


① Diagram applies to focus position of 280 mm



① Diagram applies to focus position of 215 mm

Deflection range in mm (inch)



- c: 0.50 mm (19.7 mil)
- ① Diagram applies to focus position of 140 mm

BAR CODE SCANNERS

#### **Recommended accessories**

Other models and accessories -> www.sick.com/CLV64x

	Brief description	Туре	Part no.
Mounting bra	ckets and plates		
	Hanger-shaped mounting bracket, mounting hardware included	Mounting bracket	2042800
Modules and	gateways		
	External parameter memory for integration in CDB620/CDB650/CDM42x	CMC600-101	1042259
Modules			
	Small connection module for one sensor, 4 cable glands, base for CMC600	CDB620-001	1042256
Storage media			
(I)	microSD memory card with 1 GB for industrial use	microSD memory card	4051366

#### **Recommended services**

Additional services -> www.sick.com/CLV64x

	Туре	Part no.
Warranty extensions		
<ul> <li>Product area: Identification solutions, Vision, Distance sensors, Detection and ranging solutions</li> <li>Range of services: The services correspond to the scope of the statutory manufacturer warranty (SICK general terms and conditions of purchase), Long-term protection for calculable lump sum.</li> <li>Duration: Five-year warranty from date of purchase.</li> </ul>	Five-year extended warranty	1680671
Performance check		
<ul> <li>Product area: Bar code scanners</li> <li>Range of services: Inspection of defined functions, e.g., reading performance</li> <li>Documentation: Documentation of reading performance, Creation of a performance check log</li> <li>Duration: Additional work will be invoiced separately based on time spent</li> <li>Note: The prices do not include expenses or costs for the travel time</li> </ul>	Performance check CLV4xx/CLV6xx	1682028
Maintenance		
<ul> <li>Product area: Bar code scanners</li> <li>Range of services: Inspection, analysis and restoring of defined functions, Inspection and adjustment of reading configuration, code configuration, data processing and network or interfaces</li> <li>Documentation: Documentation of operating hours and archiving of parameters in a SICK database, Documentation of reading performance, Creation of a maintenance log</li> <li>Duration: Additional work will be invoiced separately based on time spent</li> <li>Note: The prices do not include expenses or costs for the travel time</li> </ul>	Maintenance CLV4xx/CLV6xx	1611420

BAR CODE SCANNERS

	Туре	Part no.
Training		
<ul> <li>Product family group: Bar code scanners</li> <li>Range of services: SICK offers training courses for numerous target groups ranging from basic to expert levels, the training format and location can be worked out in collaboration with SICK</li> <li>Note: A minimum and maximum number of participants is determined based on the training format, depending on the training format, content and location, a training course may take place over the course of one or more work days</li> <li>Duration: The fixed price includes the specific training services agreed upon with the customer, the fixed price includes the work time required for the training services, the required work time depends on the range of services, Additional work will be invoiced separately based on time spent</li> <li>Travel expenses: The prices include costs for the travel time and expensestravel costs, such as flight or hotel expenses, are not included</li> </ul>	Training for the CLV6 series	1612231
Commissioning		
<ul> <li>Product area: Bar code scanners</li> <li>Range of services: Inspection of connection, fine adjustment, optimization of parameters of SICK product as well as verification tests, Setup of previously defined functions of reading configuration, code configuration, data processing and network, interfaces or inputs and outputs</li> <li>Documentation: Archiving of product parameters in a SICK database, Documentation of reading performance, Creation of a commissioning log</li> <li>Duration: Additional work will be invoiced separately based on time spent</li> <li>Note: The prices do not include expenses or costs for the travel time</li> </ul>	Commissioning CLV61x CLV64x	1681925

# 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



Online data sheet

