



CLV615-F3000

CLV61x

BAR CODE SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
CLV615-F3000	1068240

Other models and accessories → www.sick.com/CLV61x



Detailed technical data

Features

Version	Long Range
Connection type	Cable
Reading field	Side (105°)
Scanner design	Raster scanner
Focus	Fixed focus
Light source	Visible red light (655 nm)
MTBF	40,000 h
Laser class	2 (EN 60825-1 (2008-05), IEC 60825-1 : 2007-03, Ed. 2.0)
Aperture angle	≤ 50°
Scanning frequency	400 Hz ... 1,000 Hz
Code resolution	0.35 mm ... 0.5 mm
Reading distance	25 mm ... 330 mm ¹⁾

¹⁾ For details see reading field diagram.

Performance

Bar code types	All current code types, Code 39, Code 128, Code 93, Codabar, UPC / GTIN / EAN, Interleaved 2 of 5
Print ratio	2:1 ... 3:1
No. of codes per scan	1 ... 10 (Standard decoder) 1 ... 6 (SMART620)
No. of codes per reading interval	1 ... 50 (auto-discriminating)
No. of characters per reading interval	1,500 500 (for multiplexer function in CAN operation)
No. of multiple readings	1 ... 99

Interfaces

PROFINET		✓
	Function	PROFINET Dual Port (optional via external connection module CDF600-2)
Serial		✓, RS-232
	Function	Host, AUX
	Data transmission rate	2,400 Baud ... 115.2 kBaud, AUX: 57.6 kBaud
CAN		✓
	Function	SICK CAN sensor network (Master/Slave, Multiplexer/Server)
	Data transmission rate	20 kbit/s ... 1 Mbit/s
PROFIBUS DP		✓
	Type of fieldbus integration	Optional over external fieldbus module CDF600-2
Switching inputs		4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)
Switching outputs		4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)
Reading pulse		Switching inputs, non-powered, serial interface, auto pulse, CAN
Optical indicators		1 RGB LED (multifunctional)
Acoustic indicators		Beeper/buzzer (can be switched off, can be allocated as a result indication function)
Configuration software		SOPAS ET

Mechanics/electronics

Electrical connection	1 x 15-pin D-Sub HD male connector (0.9 m)
Operating voltage	10 V DC ... 30 V DC
Power consumption	2.8 W
Housing	Aluminum die cast
Housing color	Light blue (RAL 5012)
Front screen	Glass
Enclosure rating	IP65 (DIN 40 050)
Protection class	III (VDE 0106/IEC 1010-1)
Weight	295 g, with connecting cable
Dimensions (L x W x H)	80 mm x 66 mm x 38 mm

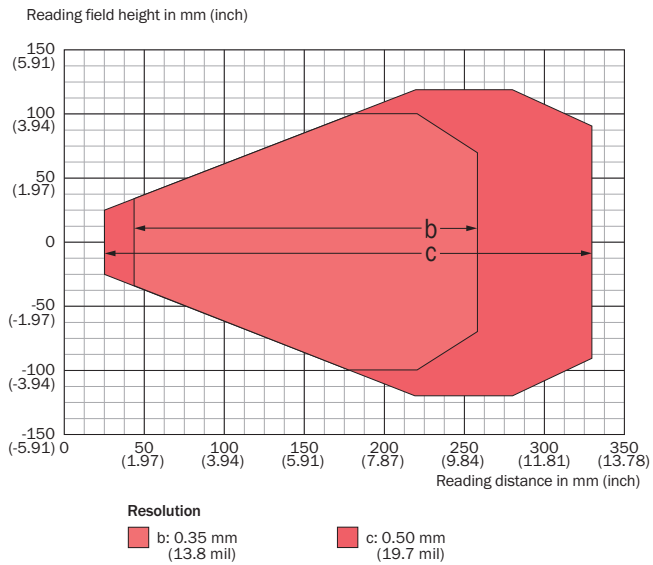
Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-4 (2007-01) + A1 (2011) / EN 61000-6-2 (2005-08)
Vibration resistance	EN 60068-2-6 (2008-02)
Shock resistance	EN 60068-2-27 (2009-05)
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



Items supplied	Single scanner
-----------------------	----------------

Reading field diagram



Recommended accessories

Other models and accessories → www.sick.com/CLV61x

	Brief description	Type	Part no.
Mounting brackets and plates			
	Bracket with adapter board	Mounting bracket	2042902
Modules			
	Small connection module for one sensor, 4 cable glands, base for CMC600	CDB620-001	1042256
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 2 x M12, male connector/female connector, 5-pin)	CDF600-2100	1058965
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 1 x D-Sub, female connector, 9-pin)	CDF600-2103	1058966
	Modular connection module for one sensor	CDM420-0001	1025362
Plug connectors and cables			
	Head A: female connector, D-Sub, 9-pin, straight Head B: female connector, D-Sub, 9-pin, straight Cable: serial, unshielded, 3 m For PC connection	Data connection cable (RS-232) to PC	2014054

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