



Bar code scanners
CLV50x / CLV503 / Mid Range

CLV503-0110



Model Name > [CLV503-0110](#)
Part No. > [1046316](#)



At a glance

- Extremely compact
- Lightweight
- Easy commissioning
- Fast and reliable decoding even on poorly printed or partly damaged codes
- Available in RS-232 version with flying leads and USB version
- Pushbutton trigger
- Discrete trigger input and good read/no read outputs (flying lead variant only)
- CLV505 available in raster version

Your benefits

- Small size and simple setup enables fast installation, even in compact machines
- Fast and easy commissioning using configuration bar codes (shipped with each scanner) and the online tool
- Excellent reading performance - even with poorly printed codes - ensures high throughput
- Pushbutton trigger, onboard LED, and audible beep simplify setup and troubleshooting



Features

Version:	Mid Range
Connection type:	USB
Reading field:	Front
Scanner design:	Line scanner
Focus:	Fixed focus
Light source:	Visible red light (650 nm)
MTBF:	10,000 h
Laser class:	2
Field of view:	≤ 44 °
Code resolution:	0.15 mm ... 1 mm
Reading distance:	50 mm ... 630 mm ¹⁾
Scanning frequency:	≤ 100 Hz

¹⁾ For details see reading field diagram

Performance

Bar code types: 2/5 Industrial, Interleaved 2 of 5, China Post, Codabar, Code 11, Code 128, Code 39, Code 39 Trioptic, Code 93, GS1 DataBar (Expanded, Limited, Truncated, 14 Stacked, Expanded Stacked, Stacked, with Composite A/B), IATA, ISBN-ISMN-ISSN, JAN, Korea Post, Matrix 2 of 5, MSI/Plessey, S-Code, Telepen, UK/Plessey, UPC/GTIN/EAN

Interfaces

Serial (RS-232): -
USB: ✓
Reading pulse: Serial command, Button at housing
Optical indicators: 1 LED
Acoustic indicators: Beeper/buzzer

Mechanics/electronics

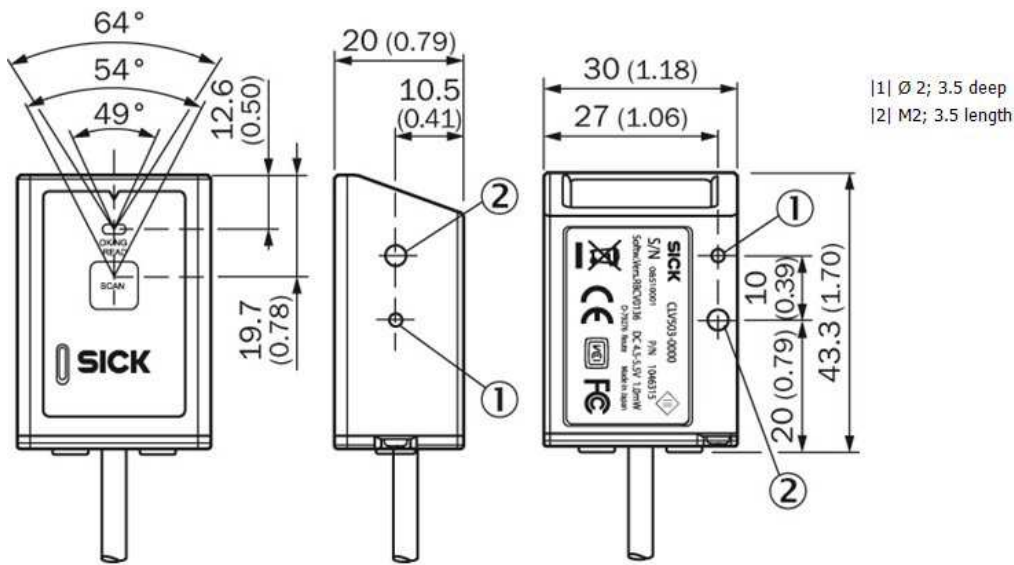
Electrical connection: 1 x USB
Operating voltage: 5 V DC± 10 %
Housing color: Light blue (RAL 5012)
Enclosure rating: IP 45
Protection class: III
Weight: 18.5 g, without cable
Dimensions: 30 mm x 43.3 mm x 20 mm

Ambient data

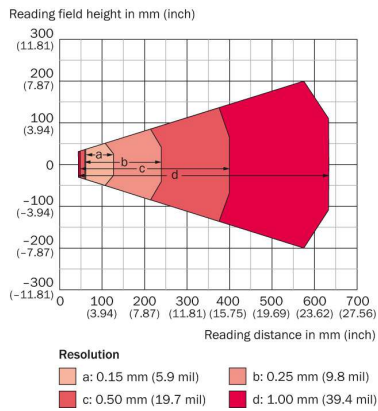
Electromagnetic compatibility (EMC): EN 61000-6-3 (2007-01) ¹⁾
Ambient operating temperature: -10 °C ... +45 °C
Permissible relative humidity: ± 85 %, non-condensing
Ambient light safety: 2,000 lx
Bar code print contrast (PCS): ≥ 45 %

¹⁾ For ESD safe installation and cable length ≤ 3 m

Dimensional drawing



Reading field diagram



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