

CLP 100 Barcode Reader



CLP 100 – Convenient in any situation

The CLP 100 can solve many simple barcode identification tasks – convenient in any situation and any application.

The task is to identify barcodes at short reading distances, while having little or no distance variation and with limited space for mounting a barcode “Sensor”. Additionally this scanning solution has to fit into a limited cost budget.

These are ideal requirements for the use of the CLP 100 – a fix mount Barcode Reader, which is based on the CCD-Technology.

The CLP 100 offers all the features required to solve simple identification tasks in OEM applications. Thanks to its small housing size and the straight or lateral oriented reading window, this reader can be integrated into nearly all mounting situations.

The high scanning rate of 500 Hz is the base for solving high speed applications. This is also valid for the reading of high density barcodes with a minimal resolution as small as 0.125 mm.

The extremely high performing decoder is integrated in this miniature Barcode Reader and transmits ASCII data via RS 232 interface to the assigned Host Computer.

The configuration of the CLP 100 is adaptable to various customer needs. This is supported by a Windows based Set-up Software or by the use of the Host Command Language – fast and user friendly.

Benefits:

- Outstanding reading performance at short reading distances
- Short capture time thanks to high scanning frequency
- Integrated result output to control operations by the use of Good Read or No Read signal
- Easy configuration supported by a Windows based Set-up software

The CLP 100 at a glance:

- Scanning and decoding frequency of 500 Hz
- Optimised focus distance at 35 mm
- Integrated decoder with a serial interface RS 232
- Straight or lateral reading window

CLP 100 Technical Data

Scanner design	CCD-Barcode Reader ^{*)}
Light source	Visible red light ($\lambda = 630 \text{ nm}$)
Ambient light compatibility	0 ... 2,000 lux
Scanning-/decoding frequency	500 Hz
Reading distance/ resolution (typical)	30...40 mm: 0.15 mm 25...45 mm: 0.2 mm 25...45 mm: 0.25 mm 25...55 mm: 0.35 mm 25...55 mm: 0.5 mm 25...55 mm: 1 mm
Reading width	80 mm at 40 mm reading distance, min. resolution 0.35 mm
Min. resolution	0.125 mm
Code types	All popular Barcodes
Optical indicators	1 x LED for Good Read
Data interface	RS 232
Operating voltage	5 V DC \pm 5 %
Power consumption	350 mA at operation 150 mA at standby
Housing	Metal
EMV-Test	According IEC 801
Weight	Approx. 200 g (incl. cable)
Dimensions	55 mm x 55 mm x 20 mm (lateral reading window) 55 mm x 47 mm x 20 mm (straight reading window)
Temperature (ambient operating/storage)	0 °C... + 40 °C / - 20 °C... + 70 °C
Rel. humidity	30...85 %, non-condensing

^{*)} CCD = Charge Coupled Device

CLP 100 Order Information

Order No.	Product	
1 018 333	CLP 100-0110	straight reading window, open cable end
1 018 334	CLP 100-2110	lateral reading window, open cable end
1 018 331	CLP 100-0010	straight reading window, 9-pin D-Sub receptacle
1 018 332	CLP 100-2010	lateral reading window, 9-pin D-Sub receptacle

SICK

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