

CLP 100

Barcode Scanner

Limited Performance Line



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 scanner, 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 scanner 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 Scanner 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 Scanner ^{*)}	
Light source	Visible red light 630 nm	
Ambient light compatibility	0 ... 100,000 lux	
Scanning-/decoding frequency	500 Hz	
Reading distance/resolution	30 ... 40 mm:	0.125 mm
	30 ... 45 mm:	0.15 mm
	25 ... 50 mm:	0.2 mm
	25 ... 50 mm:	0.25 mm
	20 ... 60 mm:	0.35 mm
	20 ... 65 mm:	0.5 mm
	20 ... 70 mm:	1 mm
Reading width	80 mm at 40 mm reading distance	
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	
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	
6 021 197	CLP 100-0110	straight reading window, open cable end
6 021 198	CLP 100-2110	lateral reading window, open cable end
6 021 121	CLP 100-0010	straight reading window, 9-pin D-Sub receptacle
6 021 122	CLP 100-2010	lateral reading window, 9-pin D-Sub receptacle

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