



### Model Number

**TC1200-1100**

CCD barcode scanner

### Features

- CCD line scanner
- Small, compact design
- Programmable via Windows software

## Technical Data

### General specifications

Light type	4 Red LED, 630 nm
Symbologies	EAN/UPC, Code 39, Code 32, Code 128, GS1-128, ISBT 128, Interleaved and Standard 2 of 5, Codabar, ABC Codabar, GS1 Databar (Omnidirectional, Limited, Expanded), Code 93, Code 11, MSI
Scan rate	320 s <sup>-1</sup>
Read distance	50 ... 430 mm
Optical face	frontal
Resolution	0.1 mm ( 4 mils )

### Nominal ratings

Camera	
Type	CCD
Number of pixels	3648 pixels

### Indicators/operating means

Operating display	Power on
Function display	LED signals the successful read-in of a barcode (GOOD READ) LED Trigger
Controls	Button for manual triggering

### Electrical specifications

Operating voltage	U <sub>B</sub>	5 V ± 5 %
Operating current		350 mA
Power consumption	P <sub>0</sub>	1.75 W

### Interface

Interface type	Type A USB
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### Input

Input type	Optocoupler
Number/Type	1 trigger input (Internal or external power supply)

### Output

Number/Type	2 electronic outputs controllable per software
Switching voltage	max. 30 V DC
Switching current	max. 30 mA

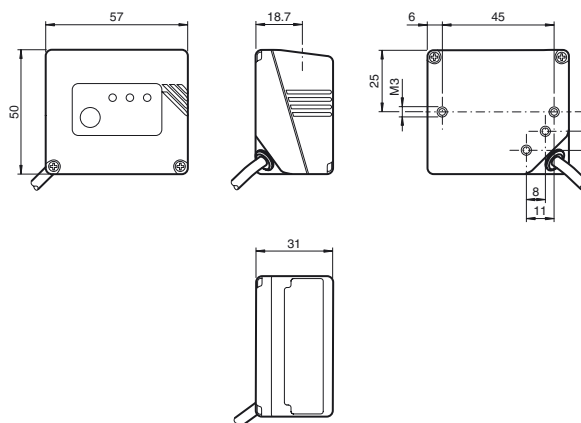
### Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Relative humidity	90 % , noncondensing
Shock resistance	IEC 68-2-27 Test EA 30G; 11 ms; 3 impacts on each axis
Vibration resistance	IEC 68-2-6 Test FC 1.5 mm ; 10 ... 55 Hz ; 2 hours on each axis

### Mechanical specifications

Protection degree	IP64	
Connection	fixed cable with Type A USB	
Material		
Housing	Plastic ABS	
Cable		
Length	L	100 cm
Mass		105 g

## Dimensions



**Electrical connection**

Pin	Name	Function
1	VCC+	+ 5 V DC
2	DATA -	USB data
3	DATA +	USB data
4	GND	Ground

**Curves / diagrams****Reading characteristics**