



## Handheld reader OHV110-F228-R2

- All common 1-D or 2-D codes can be read
- Dual lens for large read range
- Reads from reflective surfaces
- Programmable with JavaScript
- Audible, tactile, and visual user feedback
- Degree of protection IP54

Handheld reader for all common 1-D and 2-D codes

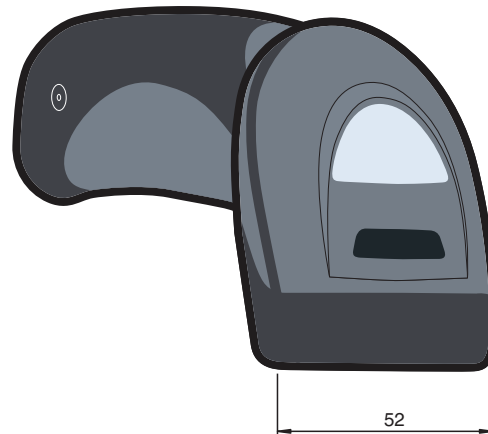


### Function

The handheld is a compact handheld reader for all common 1-D and 2-D codes. Special technology to prevent glare allows the device to accurately read codes on highly reflective surfaces. With its patented dual lens and a resolution of 1.2 million pixels, it can read both small and large codes from a wide range of distances. A different-colored target projection makes it easier to see the relevant code. Feedback comes in the form of a visual or audible signal or a vibration.

Using the Vision Configurator software, rule sets can be created for formatting read results without the need for extensive programming work. This facilitates integration into ERP systems. Data is transferred via USB or RS-232, depending on which connection cable is selected. With its robust housing and IP54 protection, the handheld reader is ideally suited to heavy-duty industrial use.

### Dimensions



### Technical Data

#### General specifications

Light type

Integrated LED lightning (red)

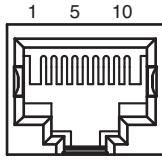
## Technical Data

Readable codes	<b>1-D Codes:</b> Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN, BC412 <b>Gestapelte 1-D Codes:</b> Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 <b>2-D Codes:</b> Aztec Code, Data Matrix, Data Matrix Rectangular, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1 <b>Post Codes:</b> Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, Postnet, UK Royal Mail, UPU ID-tags
Read distance	40 ... 310 mm depending on the code type
Reading field	max. 190 mm x 290 mm
Modul size	min. 0.1 mm
Ambient light limit	96890 Lux
Target velocity	Stop
<b>Nominal ratings</b>	
Camera	
Type	CMOS
Number of pixels	1280 x 960
Image recording	real-time , manually triggered
<b>Indicators/operating means</b>	
Function indicator	LED green: Data carrier read
<b>Electrical specifications</b>	
Supply	via cable
<b>Interface</b>	
Physical	USB 2.0 , RS-232
<b>Compliance with standards and directives</b>	
Standard conformity	
Noise immunity	EN 55024:2010
Emitted interference	EN 55032:2012+AC:2013
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-30 ... 65 °C (-22 ... 149 °F)
Relative humidity	5 ... 95 % non-condensing
Shock and impact resistance	Withstands multiple drops from 1.8 m / 6 ft onto a concrete surface
<b>Mechanical specifications</b>	
Degree of protection	IP54
Connection	System connector for connecting cable
Material	
Housing	plastic
Mass	116 g
Dimensions	77 mm x 52 mm x 132 mm (l x w x h)
Height	132 mm
Width	52 mm
Length	77 mm
<b>General information</b>	
Scope of delivery	Handheld reader

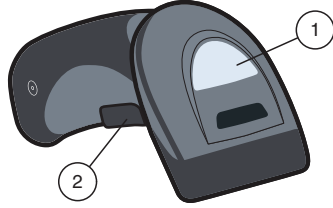
## Connection

Pin	Signal
1	+VIN
2	USB_DM
3	USB_DP
4	RS 232 TX
5	RS 232 RTS
6	RS 232 RX
7	RS 232 CTS
8	External Trigger
9	not connected
10	Ground

## Connection Assignment



## Assembly



2	Functional display	green
3	Trigger button	