



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

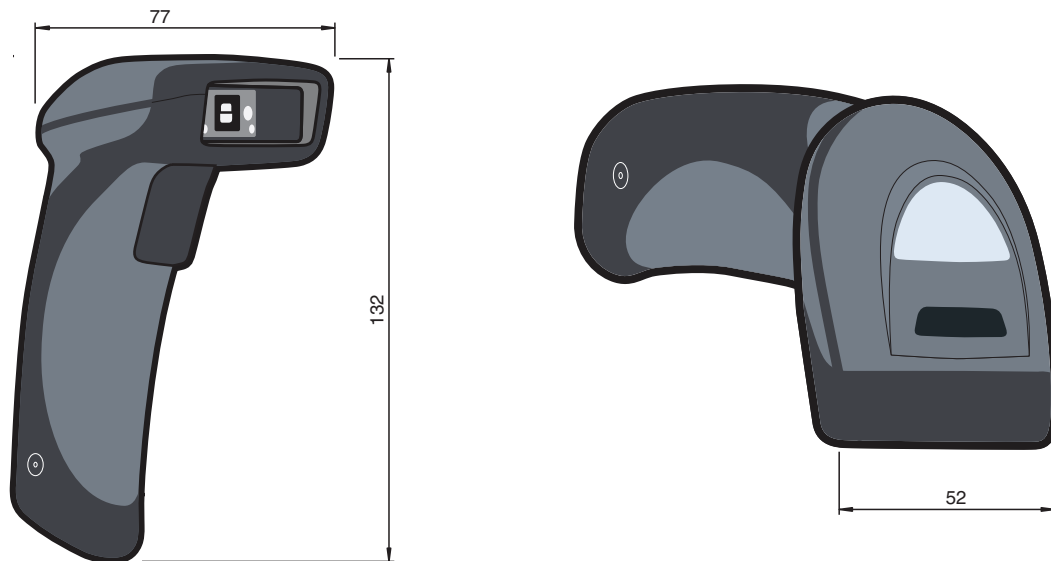


Function

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)
Readable codes	1-D Codes: Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, 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/JAN Gestapelte 1-D Codes: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 2-D Codes: Aztec Code, Data Matrix, Data Matrix Rectangular, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1 Post Codes: 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

Nominal ratings

Camera	
Type	CMOS
Number of pixels	1280 x 960
Image recording	real-time , manually triggered

Indicators/operating means

Function indicator	LED green: Data carrier read
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Electrical specifications

Supply	via cable
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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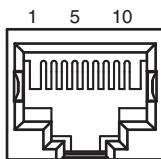
Technical Data

Interface	
Physical	USB 2.0 , RS-232
Compliance with standards and directives	
Standard conformity	
Noise immunity	EN 55024:2010
Emitted interference	EN 55032:2012+AC:2013
Ambient conditions	
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
Mechanical specifications	
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)
General information	
Scope of delivery	Handheld reader

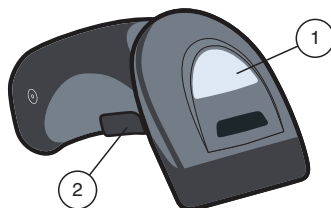
Connection

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	

Accessories

	Vision Configurator	Operating software for camera-based sensors
	OHV-BRACKET	End stop for OHV100-F222-R2
	V45-G-2M-PVC-ABG-USB-G	Adapter cable, RJ50 to USB
	V45-G-2M-PVC-SUBD9	Adapter cable, RJ50 to RS 232
	V50-G-2M-PVC-5V-SUBD25	Adapter cable, RJ-50 to D-Sub 25
	V19S-G-1,7/3M-PVC-V50	Adapter cable, M12 8-pin to RS 232
	OHV-F230-B17	PROFINET Gateway for OHV handheld

Accessories

Other suitable accessories can be found at www.pepperl-fuchs.com

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