



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

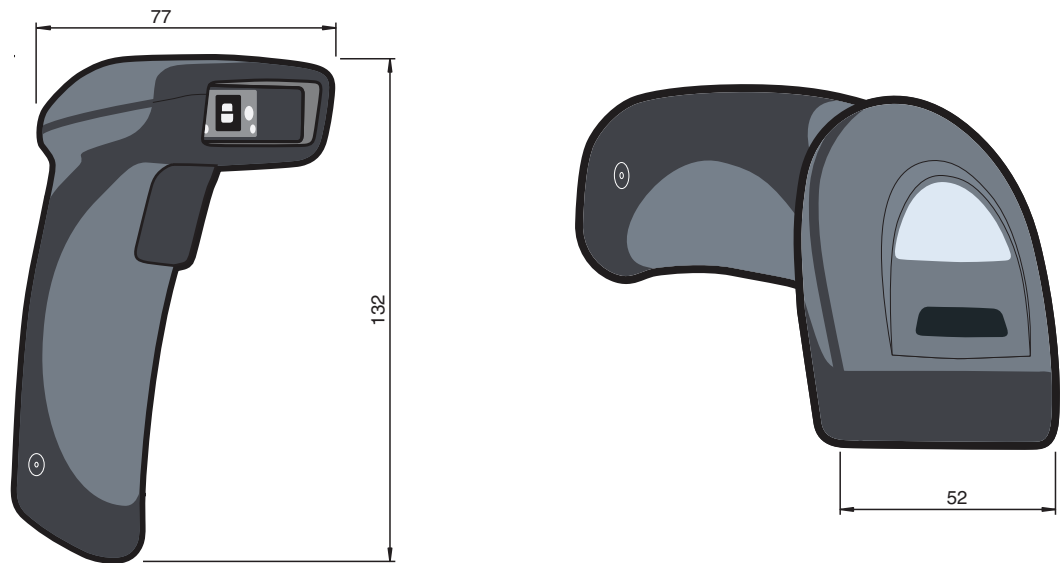


Function

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
Electrical specifications	
Supply	via cable

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

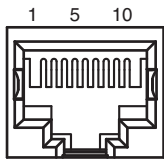
Technical Data

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

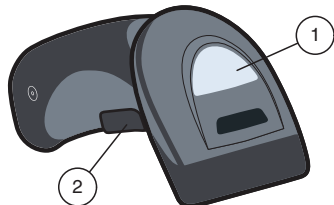
Connection

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	

Release date: 2020-09-09 Date of issue: 2020-09-09 Filename: 70116768_eng.pdf

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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