



Model Number

OHV100-F222-R2

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

Features

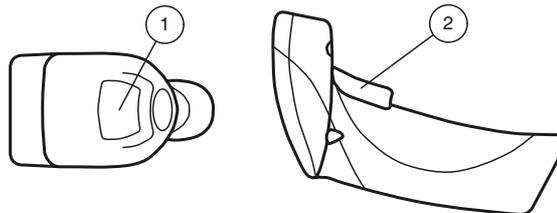
- All common 1-D or 2-D codes can be read
- Dual lens for large read range
- Reads from reflective surfaces
- Programmable with JavaScript
- Audible, tactile, and visual user feedback
- Degree of protection IP54

Function

The OHV100 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.

Indicating / Operating means

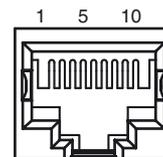


2	Functional display	green
3	Trigger button	

Electrical 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

Pinout



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, Pharmaco, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN Stacked 1-D Codes: GS1 Composite, MicroPDF, PDF417 2-D Codes: Aztec Code, Code 49, Codablock F, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, 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	≥ 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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Interface

Physical	USB 2.0 , RS-232
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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

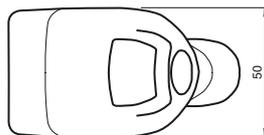
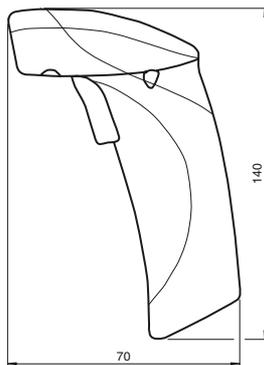
Housing	plastic
Mass	110 g
Dimensions	70 mm x 50 mm x 140 mm (l x w x h)

General information

Scope of delivery	Handheld reader
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Compliance with standards and directives

Standard conformity	
Noise immunity	EN 55024:1998+A1:2001+A2:2003
Emitted interference	EN 55022:2006

Dimensions**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

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