Model Number

OHV100-F222-R2

Handheld for all standard 1D and 2D codes, high-density version

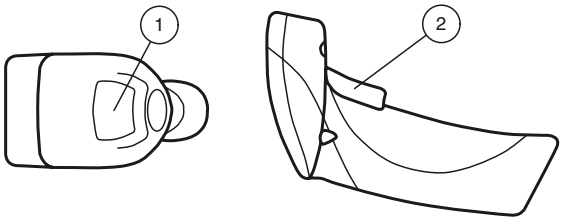
Features

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

Function

The OHV100 handheld is an innovative, compact handheld for all common 1-D and 2-D codes. Thanks to its patented dual lens and a resolution of 1.2 million pixels, it reliably reads both small and large codes from a vast range of distances. New technology to prevent glare even allows it to accurately read codes on reflective surfaces. A different-colored target projection makes it easier to see the relevant code. A visual or audible signal, or a vibration, indicates that a code has been read successfully.
The OHV100 handheld has JavaScript capability, which means that it can be adapted to all common programs and that individual applications can be displayed on the handheld without using an external PC.
USB or RS 232 interfaces are available as standard, depending on which connection cable is selected. Thanks to its robust housing and IP54 degree of protection, this handheld is ideally suited to heavy-duty industrial use.

Indicating / Operating means

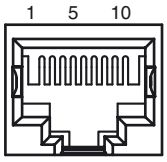


2	Functional display	green
3	Trigger button	

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



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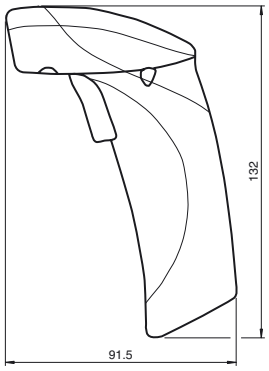
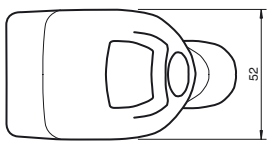
Technical data

General specifications	
Light type	Integrated LED lightning (red)
Symbologies	**1D:** Codabar; Code 11; Code 32; Code 39; Code 93; Code 128; Interleaved 2 of 5; GS1 DataBar; Matrix 2 of 5; MSI Plessey; Plessey; Straight 2 of 5; Triotic; UPC/EAN/JAN **Stacked 1D:** GS1 Composite; Micro PDF 417; PDF 417 **2D:** Aztec; Data Matrix; Han Xin Code; Micro QR Code; QR Code
Read distance	40 ... 310 mm Depending on code symbology
Reading field	max. 190 mm x 290 mm
Modul size	≥ 0.1 mm
Sensor principle	Camera system
Ambient light limit	96890 Lux
Target velocity	Stop
Data Matrix	
Orientation	omnidirectional
Nominal ratings	
Camera	
Type	CMOS
Number of pixels	1280 x 960
Image recording	real-time , manually triggered
Indicators/operating means	
Function display	LED green: Data carrier read
Electrical specifications	
Supply	via cable
Interface	
Physical	USB 2.0 , RS 232
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-30 ... 65 °C (-22 ... 149 °F)
Relative humidity	< 95 % non-condensing
Shock and impact resistance	Withstands multible drops from 1.8 m / 6 ft onto a concrete surface
Mechanical specifications	
Protection degree	IP54
Connection	System connector for connecting cable
Material	
Housing	plastic
Mass	approx. 110 g
Dimensions	132 mm x 52 mm x 91.5 mm (l x w x h)
Compliance with standards and directives	
Directive conformity	
EMC Directive 89/336/EEC	EN 55024
Standard conformity	
Noise immunity	EN 61000-4-2/3/4/6, EN 55022
Emitted interference	EN 55022

Dimensions





Accessories

V45-G-2M-PVC-SUBD9
Adapter cable, RJ45 to RS 232

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, RJ45 to USB

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

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