



Model Number

OHV100-F222-R2

Handheld for all standard 1-D and 2-D 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
- Degree of protection IP54

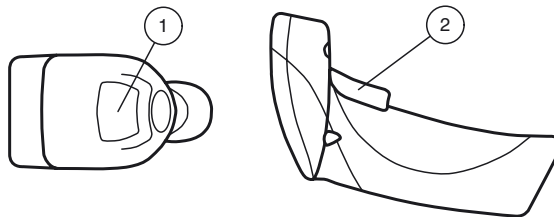
Function

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

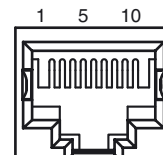


2	Functional display	green
3	Trigger button	

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



Technical data**General specifications**

Light type	Integrated LED lightning (red)
Readable codes	1D: Australian Post, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, GS1 DataBar, Hong Kong 2 of 5, Int 2 of 5, Intelligent Mail, Japan Post, KIX Code, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, PLANET, Plessey, POSTNET, Straight 2 of 5, Telepen, Trioptic, UK Royal Mail, UPC/EAN/JAN Stacked 1D: Codablock F, GS1 Composite, Micro PDF 417, PDF 417 2D: Aztec, Data Matrix, Han Xin, MaxiCode, Micro QR Code, QR Code
Read distance	40 ... 310 mm depending on the code type
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

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

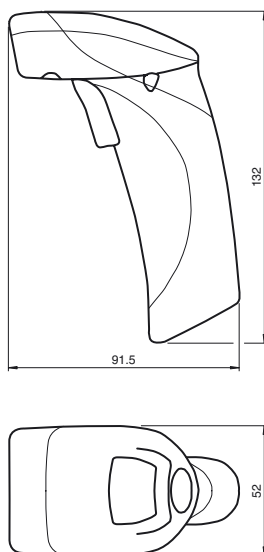
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-30 ... 65 °C (-22 ... 149 °F)
Relative humidity	< 95 % non-condensing
Shock and impact resistance	Withstands multiple drops from 1.8 m / 6 ft onto a concrete surface

Mechanical specifications

Degree of protection	IP54
Connection	System connector for connecting cable
Material	
Housing	plastic
Mass	approx. 110 g
Dimensions	132 mm x 52 mm x 91.5 mm (l x w x h)

Compliance with standards and directives

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

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