CE

Features

read

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**Model Number** OHV100-F222-R2



Handheld for all standard 1-D and 2-D

All common 1D or 2D codes can be

Dual lens for large read range Reads from reflective surfaces

Programmable with JavaScript

Degree of protection IP54

Audible, tactile, and visual user feed-

codes, high-density version

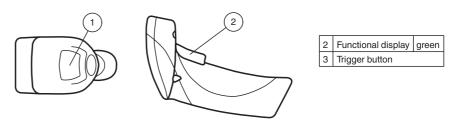
## Function

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



#### **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**



Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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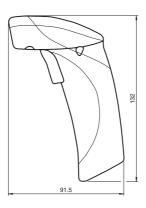


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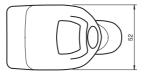
Technical data		Accessories	
General specifications		V45-G-2M-PVC-SUBD9	
Light type	Integrated LED lightning (red)	Adapter cable, RJ45 to RS 232	
Readable codes	<ul> <li>1D: Australian Post, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, GS1 DataBar, Hong Kong 2 of 5, Int 2 of 5, Intelligent 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</li> <li>2D: Aztec, Data Matrix, Han Xin, MaxiCode, Micro QR Code, QR Code</li> </ul>	Vision Configurator Operating software for camera-based sensors OHV-BRACKET End stop for OHV100-F222-R2	
Read distance	40 310 mm depending on the code type	V45-G-2M-PVC-ABG-USB-G	
Reading field	max. 190 mm x 290 mm		
Modul size	≥ 0.1 mm	Adapter cable, RJ45 to USB	
Sensor principle	Camera system	Other suitable accessories can be found at www.pepperl-fuchs.com	
Ambient light limit	96890 Lux		
Target velocity	Stop		
Nominal ratings			
Camera			
Туре	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		
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 sur- face		
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 d ves	lirecti-		
Standard conformity			
Noise immunity	EN 55024:1998+A1:2001+A2:2003		

# **Dimensions**

Emitted interference



EN 55022:2006



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