Model Number

OHV1000-F223-R2

Handheld for reading laser-engraved, etched, or printed 1-D and 2-D codes

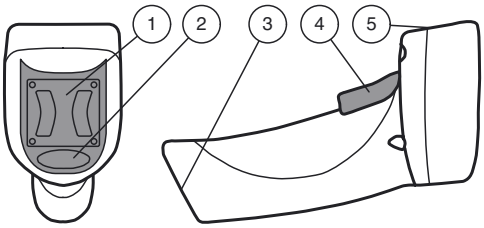
Features

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

Function

The OHV1000 handheld is used to identify 1-D and 2-D codes that have been applied directly to the surface of a product. For example, the code may have been etched, printed, or laser-engraved on the housing.
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. Feedback comes in the form of a visual or audible signal or a vibration.
The handheld can be adapted to all common programs using JavaScript, and applications can be displayed directly on the handheld without using a PC.
The handheld can be used with a USB or an RS232 interface, depending on the connection cable selected. With its robust housing and IP54 degree of protection, this handheld is ideal for use in heavy-duty industrial applications.

Indicating / Operating means

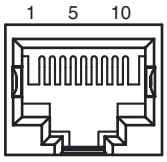


1	Mounting bracket
2	Function indicator
3	10-pin connector socket
4	Trigger button
5	Optics

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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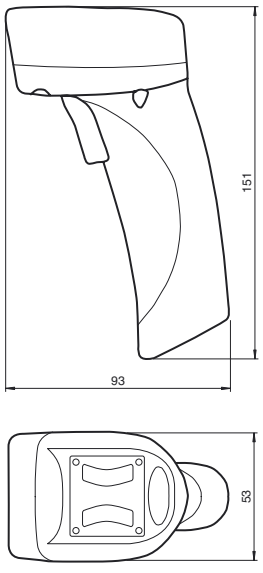
Technical data

General specifications	
Light type	Integrated LED lightning (red)
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	0 ... 200 mm depending on the code type and reading mode
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
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	
Degree of protection	IP54
Connection	System connector for connecting cable
Material	
Housing	plastic
Mass	approx. 130 g
Dimensions	151 mm x 53 mm x 93 mm (l x w x h)

Dimensions



Accessories

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

Vision Configurator
Operating software for camera-based sensors

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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