Function

The OHV200 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. The read data is transferred via the Bluetooth interface or by plugging the handheld reader into the charger. Thanks to its robust housing and IP65 protection, the handheld reader is also suitable for outdoor use.

Indicating / Operating means
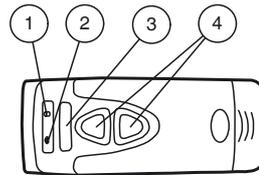
1	Memory access	Green
2	Bluetooth	Green
3	Function indicator	Green
4	Trigger buttons	

Model Number

OHV200-F220-B15

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

Features

- All common 1-D or 2-D codes can be read
- Wireless Bluetooth connection
- Dual lens for large read range
- Reads from reflective surfaces
- Programmable with JavaScript
- Batch mode for collecting data on the handheld
- Audible, tactile, and visual user feedback
- Replaceable battery with status indicator
- Degree of protection IP65

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, Pharmacode, 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	3 LEDs
Key	2 programmable function keys

Electrical specifications

Supply	from Li-Ion battery

Interface

Physical	Bluetooth (Class II) , USB 2.0
Transmitter frequency	2402 ... 2480 MHz (Bluetooth)
Transmitter radiated power	0.002 W

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 multible drops from 1.8 m / 6 ft onto a concrete surface

Mechanical specifications

Degree of protection	IP65
Material	
Housing	plastic
Mass	176 g (incl. battery)
Dimensions	130 mm x 51 mm x 28 mm (l x w x h)

General information

Scope of delivery	Handheld reader + Lithium ion battery, 1300 mAh

Compliance with standards and directives

Standard conformity	

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Electromagnetic compatibility	ETSI EN 301489-1:V1.9.2
	ETSI EN 301489-17:V2.2.1
	EN 61000-6-1:2007
	EN 61000-6-2:2005/AC:2005
	EN 61000-6-3:2007/A1:2011/AC:2012
	EN 61000-6-4:2007/A1:2011
Safety	EN 60950-1:2006/A11:2009/A1:2010/A12:2011/AC:2011
	EN 62311:2008
Radio spectrum	ETSI EN 300328:V1.8.1
Standards	EN 50581:2012

Approvals and certificates

FCC approval	FCC ID: QQ6-BTR11

Dimensions
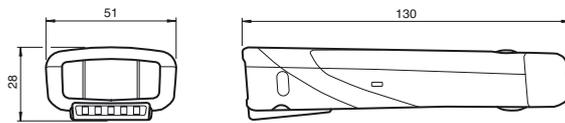
Accessories

Vision Configurator
Operating software for camera-based sensors

OHV-CHARGER-B15
Charger for OHV200 with built-in Bluetooth modem

OHV-CHARGER
Charger for OHV200

OHV-BAT
Lithium ion battery, 1300 mAh

OHV-BAT-CHARGER
Charger for OHV-BAT

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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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