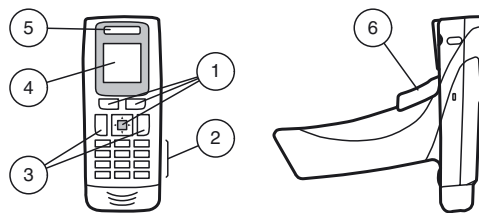## Function

The OHV300 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.

The integrated color display can show read results and apps, such as inventory applications. The alphanumeric keypad allows for intuitive operation and facilitates interaction with the apps.

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.

Indicating / Operating means

1	Navigation buttons
2	Alphanumeric keyboard
3	Programmable function keys
4	LC display
5	Function indicator
6	Trigger button

Model Number

OHV300-F224-B15

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

Features

- All common 1-D or 2-D codes can be read
- Wireless Bluetooth connection
- Keypad for entry of alphanumeric characters
- LCD display
- 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

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	1 LED LC display
Key	alphanumeric keyboard 2 programmable function keys 1 trigger button navigation buttons
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	IP54
Material	
Housing	plastic
Mass	244 g (incl. battery)
Dimensions	130 mm x 51 mm x 142 mm (l x w x h)

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

| Pepperl+Fuchs Group
www.pepperl-fuchs.com | USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com | Germany: +49 621 776 4411
fa-info@de.pepperl-fuchs.com | Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com | **PEPPERL+FUCHS**
SENSING YOUR NEEDS | **1** |

General information

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

Compliance with standards and directives

Standard conformity

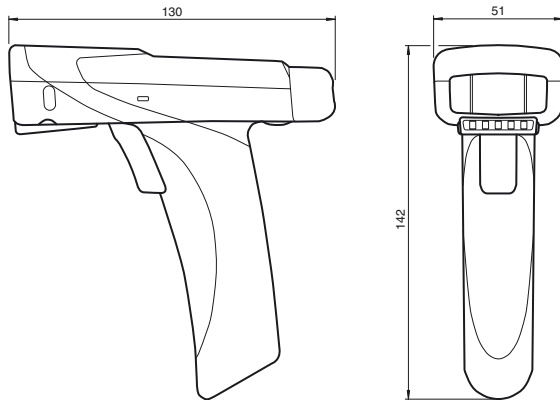|	
Electromagnetic compatibility	ETSI EN 301489-1:V1.9.2 ETSI EN 301489-17:V2.2.1 EN 61000-6-1:2007 EN 61000-6-2:2005/AC:2005 EN 61000-6-3:2007/A1:2011/AC:2012 EN 61000-6-4:2007/A1:2011
Safety	EN 60950-1:2006/A11:2009/A1:2010/A12:2011/AC:2011 EN 62311:2008
Radio spectrum	ETSI EN 300328:V1.8.1
Standards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

Approvals and certificates

FCC approval	FCC ID: QQ6-BTR12

Dimensions

Accessories

Vision Configurator
Operating software for camera-based sensors

OHV300-CHARGER-B15
Charger for OHV300 with built-in Bluetooth modem

OHV300-BAT
Lithium ion battery, 1300 mAh

OHV-BAT-CHARGER
Charger for OHV-BAT

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

Release date: 2016-04-15 15:28 Date of issue: 2016-04-15 280900_eng.xml

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

Pepperl+Fuchs Group	USA: +1 330 486 0001	Germany: +49 621 776 4411	Singapore: +65 6779 9091
www.pepperl-fuchs.com	fa-info@us.pepperl-fuchs.com	fa-info@de.pepperl-fuchs.com	fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS
SENSING YOUR NEEDS