

# QUICK START GUIDE

## **OHV2000-F22-B15** Handheld Reader



With regard to the supply of products, the current issue of the following document is applicable: The General Terms of Delivery for Products and Services of the Electrical Industry, published by the Central Association of the Electrical Industry (Zentralverband Elektrotechnik und Elektroindustrie (ZVEI) e.V.) in its most recent version as well as the supplementary clause: "Expanded reservation of proprietorship"

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## 1

## Purpose of this Quick Start Guide

This quick start guide contains basic instructions for operating the device. However, the manual takes priority over the quick start guide.

## 2 Product Description

### 2.1 Use and Application

**Caution!**

Irritation caused by optical radiation

The optical unit on the handheld reader is equipped with very bright LEDs that can cause irritation in dark environments.

Do not point the handheld reader at people.

Do not look directly into the optical unit on the handheld reader.

The OHV2000 handheld is a compact handheld reader for all common 1-D and 2-D codes 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. 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. With its robust housing and IP65 protection, the handheld reader is suitable for outdoor use.

Type designations: **OHV2000-F221-B15**



The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

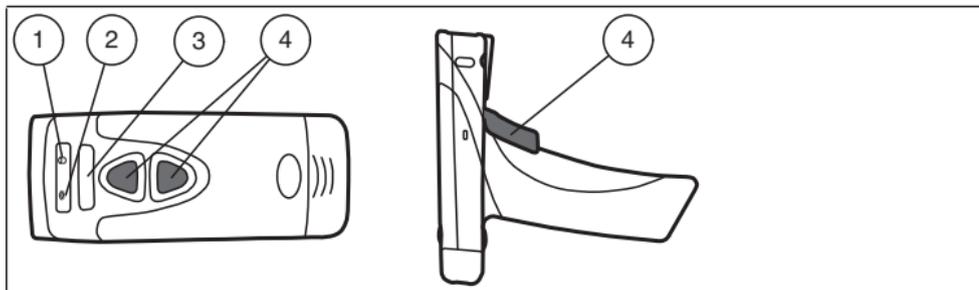
Use the device only within the specified ambient and operating conditions.

Protection of the personnel and the plant is not ensured if the device is not used according to its intended use.

## 2.2

### Indicators and Operating Elements

#### OHV2000-F221



- 1 Memory
- 2 Bluetooth connection
- 3 Function indicator
- 4 Trigger buttons

## 2.3 Scope of Delivery

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

- Handheld reader  
OHV2000-F221-B15
- Lithium-ion battery, 1300 mAh  
OHV-BAT
- Quick reference guide

## 2.4 Accessories

Designation	Description
OHV-CHARGER-B15	Charging station for OHV200 handheld readers with integrated Bluetooth modem incl. USB-G-1M-PVC-ABG-USBB-G connection cable The connection cable can also be ordered separately later on.
OHV-BAT	1300 mAh lithium-ion battery for OHV200 handheld readers
OHV-BAT-CHARGER	Charger for lithium-ion batteries
Vision Configurator	Configuration software for camera-based sensors When using OHV handheld readers, you can download the software free of charge from <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

## 2.5

## Storage and Disposal

Keep the original packaging. Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions must be considered, see datasheet.

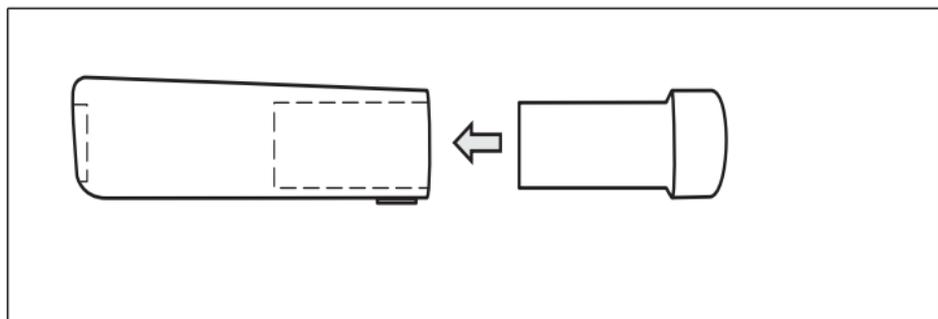
Disposing of device, packaging, and possibly contained batteries must be in compliance with the applicable laws and guidelines of the respective country.

### 3 Installation

#### 3.1 Inserting and Removing the Battery

##### ▶ Inserting the Battery

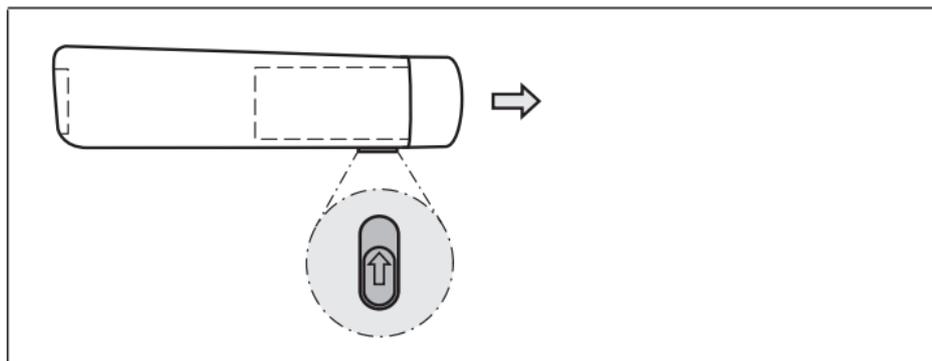
1. Insert the battery into the handheld reader.



2. Make sure that the battery audibly snaps into place.

##### ▶ Removing the Battery

1. Move the locking device on the bottom of the handheld reader in the direction of the arrow.



2. Remove the battery.

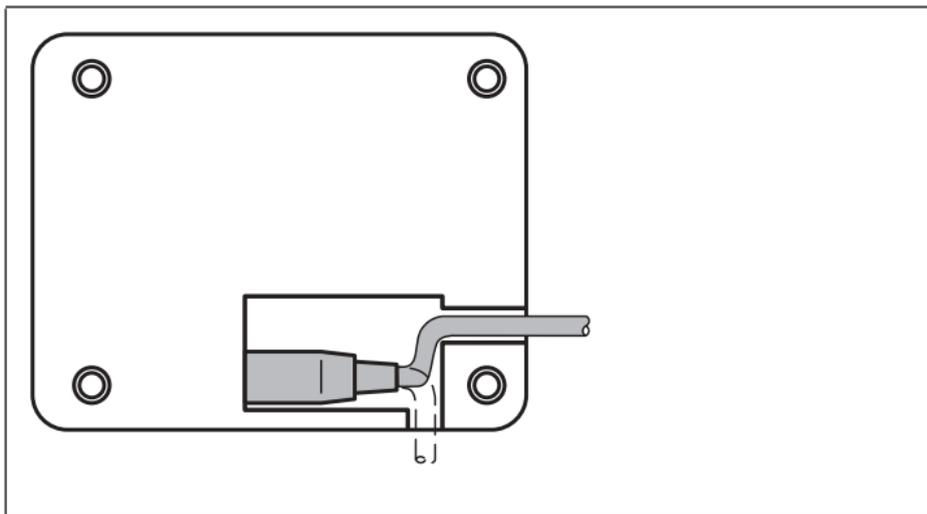
## 3.2

### Mounting the Charger and Charging the Handheld Reader



#### Mounting the Charger

1. Insert the USB cable or the plug of the plug-in power supply into the socket provided on the bottom of the charger.



2. Place the charger in the position you wish to mount it.
3. Screw the charger into place using the mounting holes provided.

### Charging the Handheld Reader

1. Ensure that the charger is connected to the USB cable or the plug of the plug-in power supply.

2. Place the handheld reader in the charger.
3. When the handheld reader's battery is charging, the battery's charge status display flashes.

### Charge Status Display

To check the charge status of the lithium-ion battery, press the button on the back of the battery.

Charge status	LED 1	LED 2	LED 3	LED 4
75 % ... 100 %	ON	ON	ON	ON
50 % ... 75 %	ON	ON	ON	
25 % ... 50 %	ON	ON		
10 % ... 25 %	ON			
0 % ... 10 %	Flashing			

## 4 Operation

### 4.1 Switching On the Handheld Reader

To switch on the handheld reader, hold down any trigger button for approx. two seconds. The function indicator on the handheld reader briefly lights up red then briefly lights up green. An audible signal is emitted and the handheld reader vibrates.

### 4.2 Reading Codes

The handheld reader reads both very small 2-D codes (e.g., Data Matrix codes) and larger 1-D codes (e.g., barcodes). The handheld reader offers a field of vision comprising two areas that can be read at the same time. This covers a read range between 4 cm and 31 cm. The optimal read range is 10 cm.

By default, the read range is indicated by two blue bars. However, you can deactivate the display of the blue bars.



#### **Tip**

If several codes are located right next to each other, we recommend you cover the codes that you do not wish to read. This prevents you from inadvertently reading another code.



## Reading Codes

The handheld reader registers itself with other devices as an input device or keyboard. Before you read a code, start or activate the application to which the read result is to be transferred.

1. To read the code, hold the trigger button down.
2. Position the blue bars in the center of the code that you wish to read. Move the handheld reader closer to or farther away from the code until the height of the blue bars roughly corresponds to the height of the code.

↳ If the reading process is successful, the function indicator on the handheld reader briefly lights up green. When activated, an audible signal is emitted and the handheld reader vibrates.

## 4.3

### Bluetooth Mode



#### Activating Bluetooth Mode

1. Activate the charger's Bluetooth function. Move the slider on the back/bottom of the charger in the direction of the arrow.
2. If you switch to Bluetooth mode from some other operating mode, read the following code using the handheld reader.  
If the handheld reader was already in Bluetooth mode, you can skip this step.



CC002942\_Reader\_step1\_2

3. Read the **Quick Connect** code on the front of the charger or the modem.

↳ Bluetooth mode is activated. Read codes are transferred to the charger via Bluetooth immediately after they are read. The charging tray then automatically transfers the codes to the PC.



**Note!**

In Bluetooth mode, data is transferred using a US English keyboard layout by default.

If data is not transferred correctly in Bluetooth mode, modify the keyboard layout. See chapter 4.4

## 4.4

## Keyboard Layout

You can use the following control codes to modify the keyboard layout for the current operating mode.



### Microsoft Windows

English (US)



M10460\_02

English (US International)



M10469\_01

English (GB)



M10471\_01

German (Germany)



M10463\_02

German (Switzerland)



M10466\_02

French (France)



M10462\_02

French (Belgium)



M10461\_02

Spanish (Spain)



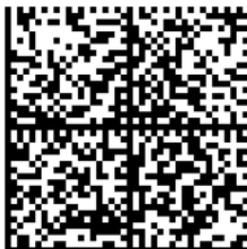
M10472\_01

Spanish (Latin America)



M10465\_02

Russian



M10418\_02

Japanese

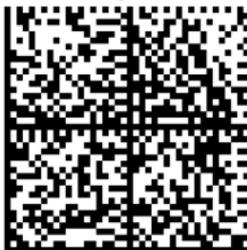


M10464\_02



### Apple OS X and iOS

English



M10419\_02

German (Germany)



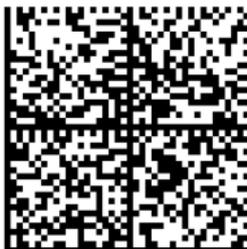
M10421\_02

German (Switzerland)



M10422\_02

French



M10420\_02

Spanish



M10424\_02

Italian



M10423\_02

## 4.5 Activating Suffix

To append a suffix to the read result, scan the appropriate code with the handheld.

### Suffixes

Code	Description
<b>Suffix comma</b>  M10131_01	Adds a comma to the end of the read result.
<b>Suffix space</b>  M10132_01	Adds a space to the end of the read result.

Code	Description
<b>Suffix enter</b>  M10134_01	Adds an input character to the end of the read result.
<b>Suffix tab</b>  M10133_01	Adds a tab to the end of the read result.
<b>Suffix erase/none</b>  M10130_01	Removes all suffixes.

# FACTORY AUTOMATION – SENSING YOUR NEEDS



## Worldwide Headquarters

Pepperl+Fuchs GmbH  
68307 Mannheim · Germany  
Tel. +49 621 776-0  
E-Mail: [info@de.pepperl-fuchs.com](mailto:info@de.pepperl-fuchs.com)

## USA Headquarters

Pepperl+Fuchs INC  
Twinsburg, Ohio 44087 · USA  
Tel. +1 330 4253555  
E-Mail: [sales@us.pepperl-fuchs.com](mailto:sales@us.pepperl-fuchs.com)

## Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd.  
Company Registration No. 199003130E  
Singapore 139942  
Tel. +65 67799091  
E-Mail: [sales@sg.pepperl-fuchs.com](mailto:sales@sg.pepperl-fuchs.com)

[www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

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