

ID PRHD102

## HF / UHF HANDHELD READER

- Integrated HF and UHF antenna
- Parallel operation of both antennas possible
- Easy and intuitive handling
- Low weight
- Bluetooth- or USB-interface
- Anti-Collision
- Low power mode for range limitation in the UHF frequency band
- Battery operation or power supply via USB interface



The Handheld Reader ID PRHD102 is a dual frequency reader which is equipped with an integrated HF antenna as well as an integrated UHF antenna.

The maximum read range in combination with HF transponders is 10 cm; the maximum read range with UHF transponders varies in dependence of the configured output power in the range between 5 cm and 100 cm.

Successful reading of a transponder can be signaled acoustical via a buzzer or optical via a multi-color LED.

The reader can be used at single workstations or e. g. for delivery control or inventory purposes.

The reader is available as wired USB version or as wireless Bluetooth version. Both versions are available as separate hardware for the European Frequency Band and the FCC Frequency Band.

# HF / UHF HANDHELD READER

Hybrid device allows parallel operation of both frequencies as well as simple and intuitive handling.

## Technical data

<b>Dimensions (w x h x d)</b>	230 mm x 100 mm x 80 mm
<b>Weight</b>	
Bluetooth version	270 g (including batteries)
USB version	170 g (without cable)
<b>Housing</b>	Plastic ABS
<b>Protection class</b>	IP30
<b>Operating frequency</b>	
HF	13.56 MHz
UHF	860 MHz to 960 MHz
<b>Supply voltage</b>	
Bluetooth version	4 Mignon Batteries 1.2 V to 1.5 V AA
USB version	USB High Powered Interface
<b>Power consumption</b>	max. 500 mA
<b>Output Power</b>	
HF	200 mW
UHF	10 mW to 100 mW
<b>Interfaces</b>	
Bluetooth version	Bluetooth (serial port profile)
USB version	USB (HID, 12 Mbit)
<b>Supported transponder types</b>	
HF	ISO 15693
UHF	EPC Class1 Gen2, ISO 18000-6C
<b>Antenna</b>	integrated HF Antenna integrated UHF Antenna
<b>Indicator</b>	
optical	1 LED (red / green / blue)
acoustic	1 Buzzer
<b>Reader modes</b>	FEIG ISO Host / FEIG Scan Mode
<b>Temperature range</b>	
Operation	0 °C up to +50 °C
Storage	-20 °C up to +70 °C

## Standard conformity

<b>Radio license</b>	
HF	EN 300 330
UHF	EN 302 208
<b>EMC</b>	EN 301 489-3
<b>Safety &amp; Health</b>	EN 62368-1, EN 50364



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## Order description

### [ID PRHD102-USB-EU](#)

Handheld Reader for the HF Frequency Band at 13.56 MHz and the UHF Frequency Band from 865 MHz to 868 MHz with USB-Interface

### [ID PRHD102-USB-FCC](#)

Handheld Reader for the HF Frequency Band at 13.56 MHz and the UHF Frequency Band from 902 MHz to 928 MHz with USB-Interface

### [ID PRHD102-B-EU](#)

Handheld Reader for the HF Frequency Band at 13.56 MHz and the UHF Frequency Band from 865 MHz to 868 MHz with Bluetooth-Interface