FEIG

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.

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HF / UHF HANDHELD READER

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

Technical data

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

Standard conformity

Radio license	
HF	EN 300 330
UHF	EN 302 208
EMC	EN 301 489-3
Safety & Health	EN 62368-1, EN 50364



ID PRHD102

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

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