HF / UHF Handheld Reader
ID ISC.PRHD102

SPECIAL FEATURES

→ Integrated HF- and UHF- Antenna

→ Parallel operation of both antennas possible

→ Easy and intuitive handling

→ Low weight

→ Bluetooth- or USB- interface

→ Anti- Collision

→ Configurable Output Power

→ Low Power Mode for short read ranges

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FEIG ELECTRONIC

IDENTIFICATION

DESCRIPTION

The Handheld Reader ID ISC.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.

ORDERING INFORMATION

ID ISC.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 ISC.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 ISC.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

ID ISC.PRHD102-B-FCC

Handheld Reader for the HF Frequency Band at 13,56 MHz and the UHF Frequency Band from 902 MHz to 928 MHz with Bluetooth- Interface

TECHNICAL DATA

Dimension (B x H x T)	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
Spannungsversorgung	
- Bluetooth-Version	4 Mignon Batteries 1,2-1,5V 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 Class 1 Gen2, ISO18000-6-C (Upgrade Code)
Antenna	Integrated HF Antenna Integrated UHF Antenna
Signaler	
- optical	1 LED (red / green / blue)
- acoustic	1 Buzzer
Protocol Modes	FEIG ISO Host / FEIG Scan Mode
Temperature Range	
- Operation	0 °C to +50 °C
- Storage	–20 °C to +70 °C

APPLICABLE STANDARDS

Radio Regulation	
- HF	EN 300 330
- UHF	EN 302 208
EMC	EN 301 489-3
Safety	
- Low Voltage	EN 60950
- Human Exposure	EN 50364

Note: FEIG ELECTRONIC reserves the right to change specification without notice at any time. Stand of information: August 2016.