

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



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 200 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 |
| Tempertature Range | |
| - Operation | -25 °C to 55 °C |
| - Storage | -25 °C to 85 °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: December 2011