ID PRH102-B / PRH101-USB

HF HANDHELD READER

- Variable interfaces (USB, Bluetooth)
- Anti-collision function
- Multi-tag reader for ISO 15693 and ISO 18000-3
- 2 operation modes: FEIG ISO Host Mode & Scan Mode

HF Handheld Reader

The handheld readers ID PRH101 / 102 are designed for contactless data exchange with common ISO 15693 transponders. They can be used for those applications, read ranges up to 13 cm* (PRH102-B) resp. up to 20 cm* (PRH101-USB) are required.

Due to different interfaces the handheld readers can be integrated in existing systems easily. So they are suitable for several applications in retail, logistics and industry.

The anti-collision function allows the handheld readers identification of up to 30 transponders simultaneously. With a switchable voltage on the antenna line a LED located in the antenna can be operated.

For programming host applications on mobile devices FEIG offers DLLs for different systems like Pocket PC, CE3.0, CE.NET, Windows-, Linux- and Java systems.

* Read range depends on the transponder size. Here made statements relate to an inlet size of 76 x 45 mm

Technical data

Dimensions (w x h x d)	230 mm x 100 mm x 80 mm
Weight	320 g (without batteries)
Housing	Plastic ABS
Color	RAL 9002 / RAL 7044
Protection class	IP30
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	
ID PRH102-B	4 Mignon cells 1.2–1.5 V AA
ID PRH101-USB	USB high powered interface
Current consumption	max. 0.5 A
Power consumption	max. 2.5 VA
Antenna	integrated
Interfaces	
ID PRH102-B	Bluetooth (Serial port profile)
ID PRH101-USB	USB (12 Mbit)
Address setting for interface	
ID PRH102-B	Bluetooth MAC address
ID PRH101-USB	Device-ID of the reader
Indicators, optical	1 LED (multicolored)
Indicators, acoustic	buzzer
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Protocol modes	ISO Host Mode, Scan Mode
Temperature range	
Operation	0 °C up to +50 °C
Storage	–20 °C up to +70 °C
Relative air humidity	5 % up to 95 % (not condensing)

* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDS Sensor Chips, Infineon my-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

ID PRH101-USB

Standard conformity

Radio licence		
Europe	EN 300 330	
USA	FCC 47 CFR Part 15	
Canada	IC RSS-GEN, RSS-210	
EMC	EN 301 489	
Safety & Health	EN 62368-1, EN 50364	
Vibration	EN 60068-2-6	10 up to 150 Hz: 0.075 mm / 1 g
Shock	EN 60068-2-27	Acceleration: 30 g

Order description

ID PRH102-B	HF Handheld Reader; Bluetooth
ID PRH101-USB	HF Handheld Reader; USB 2.0 (with 2.5 m USB cable)
ID NET.5V-B	5V power supply for ID PRH101-A
ID CHA.NiMH-A	Battery Charger for ID PRH102-B

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