IDENTIFICATION

HF Handheld Reader
ID ISC.PRH101-A / PRH102-B / PRH101-USB

FEATURES

- Variable interfaces (RS232, USB, Bluetooth)
- Anti-collision function
- Multi-tag reader for ISO15693 and ISO18000-3
- 2 operation modes: FEIG ISO Host Mode & Scan Mode

FEIG ELECTRONIC

IDENTIFICATION

SHORT DESCRIPTION

The handheld readers ID ISC.PRH101/102 are designed for contactless data exchange with common ISO 15693 transponders. They can be used for those applications, read ranges up to 13cm* (PRH102-B) resp. up to 20cm* (PRH101-A/-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
Protection class	IP 30
Color	RAL 9002 / RAL 7044
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	
- ID ISC.PRH101-A	5V DC +/- 0,2V regulated
- ID ISC.PRH102-B	4 Mignon cells 1,2-1,5V AA
- ID ISC.PRH101-USB	USB High Powered Interface
Current consumption	maximum 0.5 A
Power consumption	maximum 2.5 VA
Antenna	integrated
Interfaces	
- ID ISC.PRH101-A	RS232
- ID ISC.PRH102-B	Bluetooth (Serial port profile)
- ID ISC.PRH101-USB	USB (12 Mbit)
Address setting for interface	
- ID ISC.PRH101-A	Software (up to 254 addresses)
- ID ISC.PRH102-B	Bluetooth MAC address
- ID ISC.PRH101-USB	Device-ID of the reader
Signal generator, optical	1 LED (multicolored)
Signal generator, 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 humidity	5…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

ORDER DESCRIPTIONS

ID ISC.PRH101-A	HF Handheld Reader; RS232 (with 2.5 m interface cable)
ID ISC.PRH102-B	HF Handheld Reader; Bluetooth
ID ISC.PRH101-USB	HF Handheld Reader; USB 2.0 (with 2.5 m USB cable)
ID NET.5V-B	5V power supply for ID ISC.PRH101-A
ID CHA.NiMH-A	Battery Charger for ID ISC.PRH102-B

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	
Low Voltage	EN 60950
Human Exposure	EN 50364
Vibration	EN 60068-2-6 10…150 Hz: 0,075 mm / 1 g
Shock	EN 60068-2-27 acceleration: 30 g

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