



Advanced reader technologies

i-scan[®] HF

(13,56 MHz)

Hand-held Reader
ID ISC.PRH101-B



Multi-tag Hand-held Reader for identification of ISO transponders for mobile applications in retail, industry, logistics, libraries, medical environments etc.

Features:

- Bluetooth interface (class I)
- Anti-collision function
- OBID i-scan[®] ISO Host Mode
- Multi-tag reader (ISO 15693- and ISO 18000-3 tags)
Optional further tag protocols are available
- Battery powered (4 x AA rechargeable batteries/NiMH)
- 2 operation modes: Scan-Mode / Polling-Mode

Short description

As every device of the OBID i-scan[®] HF product family, the hand-held reader ID ISC.PRH101-B identifies transponders with an operating frequency of 13.56 MHz.

The reader has a maximum reading- / writing distance of up to 18 cm and is suitable especially for mobile use in connection with a PDA or laptop.

PDA or laptop can be used as a mobile host e.g. as data collector.

The reader's own power supply allows RF transmitting power, that enables identification of transponders which are very close together.

Rechargeable battery capacity of 2100 mA allows up to 5000 Scans within five hours.

FEIG offers several DLL's for programming host applications of mobile computers; for example Pocket PC, CE 3.0, CE.NET, Windows-, Linux- and Java systems are supported.

Technical data

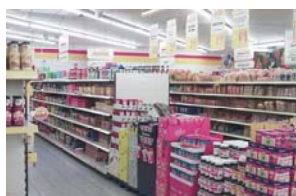
Housing	Plastic ABS (closed)
Color	RAL 9002 / RAL 7044
Dimensions (LxWxH)	230 x 100 x 80 mm
Weight	320 g (without batteries)
Protection class	IP 30
Power supply	4 Mignon cells 1,2-1,5 V AA (not included)
Power consumption	maximum 2,5 W
Operating frequency	13,56 MHz
Transmitting power	0,5 W +/- 2dB
Antenna	integrated
Interface	Bluetooth (class I)
Supported transponders	ISO 15693 tags, ISO 18000-3 tags optional: further tag types
Signal generator	
- optical	1 LED (red/green/blue)
- acoustic	Buzzer
Temperature range	
- operation	0°C up to 50°C
- storage	-20°C up to 70°C
Relative humidity	95% (non condensing)
Accessories:	
Battery Charger	ID CHA.NiMH-A Battery Charger



Logistics



Medical environment



Retail



Libraries

Standard conformity

Radio license	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
EMC	ETSI EN 301 489
Safety	
- Low voltage	EN 60950
- Human Exposure	EN 50364
Fall	1,5 m on concrete



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