



Advanced reader technologies

**i-scan<sup>®</sup> HF**

(13.56 MHz)

**Proximity Reader  
ID ISC.PR101-A/  
-USB**



Multi-tag Reader for identification of ISO transponders in fields of application like retail, industry, logistics, libraries etc.

### Features:

- Anti-collision function
- OBID i-scan<sup>®</sup> ISO Host Mode
- Multitag-Reader (ISO 15693- and ISO 18000-3 tags)  
Optional further tag protocols are available
- 2 operation modes: Scan-Mode / Polling-Mode

## Short description and technical data

### Short description

Just as any device of the OBID *i-scan*<sup>®</sup> HF product family, the Proximity Reader ID ISC.PR101-A/-USB identifies transponders with an operating frequency of 13.56 MHz.

The reader has an integrated antenna with a maximum reading / writing distance of up to 18 cm.

Due to its compact dimensions, the reader is suitable for desk-applications including the identification of files or documents, registration of the lending and return of goods or books etc.

The reader's anti-collision function facilitates simultaneous identification of several objects even when they are wrapped.

### Technical data

Housing	Plastic ABS
Colour	Papyrus White RAL 9018
Dimensions (WxLxH)	85 x 145 x 27 mm
Protection class	IP 30
Weight	200 g
Power supply	
- variant -A (RS232/RS485)	12 - 24 V DC +/- 15% via external power supply
- variant -USB	5 V USB High Powered Interface
Power consumption	
- variant -A (RS232/RS485)	max. 5 VA
- variant -USB	max. 2,5 VA
Operating frequency	13.56 MHz
Transmitting power	0,5 W +/- 2dB
Modulation factor	10%
Antenna	integrated
Reading distance	max. 18 cm
Interfaces	RS232 / RS485 (switchable) or USB
Signal generator	1 LED (multicoloured; red/green)
Processable transponders	ISO 15693, ISO 18000-3, EPC optional: further tag types
Temperature range	
- operation	-25°C up to 60°C
- storage	-25°C up to 70°C
FLASH	Software may be updated via both, RS232/RS485 and USB interface.



Document identification is only one of several possible applications for ID ISC.PR101-A/-USB.

### Standard conformity

Radio license	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	EN 60950
- Human Exposure	EN 50364

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