OBID®

advanced reader technologies

i-*scan*

Proximity reader
ID ISC.PR100-A/
-USB

Multi-tag proximity reader for identification of Smart Labels in the fields of application retail, rental services and industry.

Features:

- Anti-collision function,
- OBID® i-*scan* SMP (Standard Multi-tag Protocol)
- Multi-tag reader for ISO-tags 15693 (e.g. I-CODE, Tag-it, my-d, STM etc.)
- Several antenna types are available

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Short description and technical information

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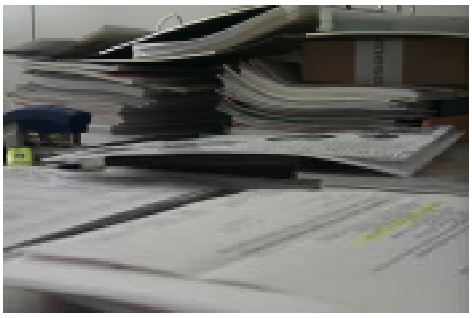
Just as any device of the OBID® i-*scan* product family, the proximity reader ID ISC.PR100-A/-USB works with Smart Labels which are based on transponders with an operating frequency of 13.56 MHz.

The reader has an integrated antenna with a maximum reading 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, ect.

The reader´s anticollision function facilitates simultaneous identification of several objects even when these are wrapped.



Document tracking is only one example for the great number of possible applications for the ID ISC.PR100-A/-USB.

Technical data

Housing	Plastic
Colour	RAL 9018 (light grey)
Dimensions (LxWxH)	145 x 85 x 31 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	via USB-interface
Power consumption	max. 5 VA
Operating frequency	13.56 MHz
Transmitting power	0,5 W
Modulation factor	10% and 100% (via software adjustable)
Antenna	integrated
Reading distance	max. 18cm
Interfaces	RS232 / RS485 (switchable) or USB
Signal generator	1 LED (multicoloured; red / green)
Processable transponders	ISO-tags 15693 (e.g. I-CODE, Tag-it, my-d, STM etc.)
Temperature range - operation	-25° C up to 60° C
- storage	-25° C up to 70° C
FLASH	64 kByte (software may be updated via interface)

Standard conformity

Radio license	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
EMV	EN 300 683
Safety	
- Europe	EN 60950

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