



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

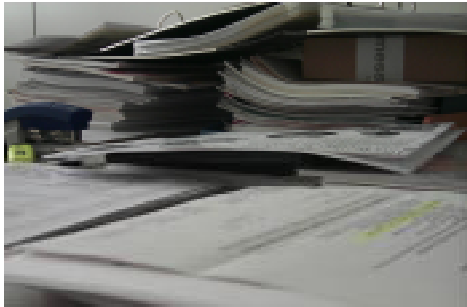
Short description

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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