



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 and technical information

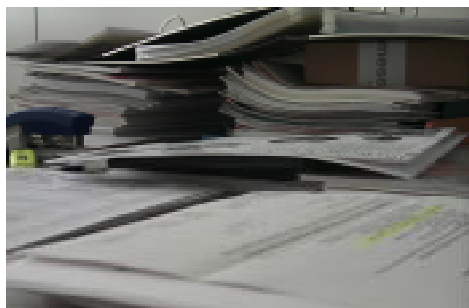
Short description

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 |

FEIG ELECTRONIC GmbH
Lange Straße 4, D-35781 Weilburg
Tel.: +49 (0) 6471 / 3109-0, Fax: -99
Internet: <http://www.feig.de>
e-mail: OBID@feig.de