

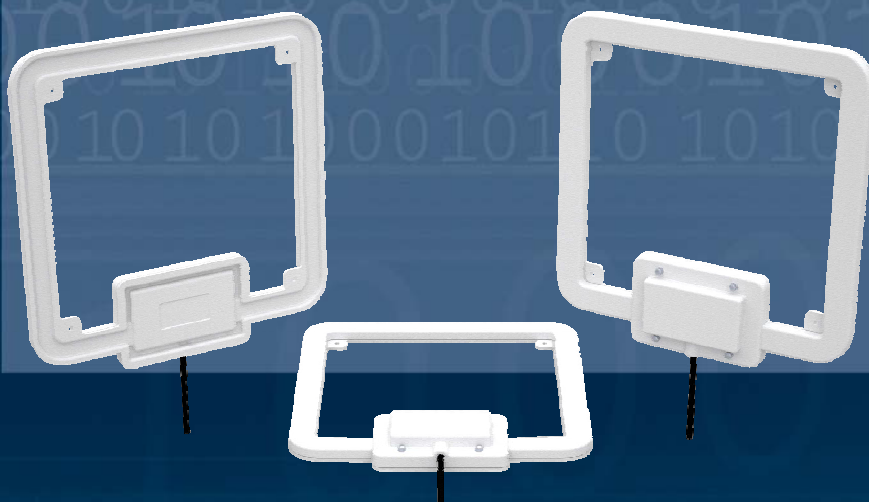
NEW

HF RFID Antenna ID ISC.ANT310/310



FEATURES

- Transmission power up to 8 W
- Protection class IP65
- Useful in many ways with several readers of the OBID i-scan® HF family
- Manual alignment electronics for optimal adjustment to different surrounding conditions





HF RFID Antenna ID ISCANT310/310

SHORT DESCRIPTION

Order description:

HF Antenna ID ISC.ANT310/310-A

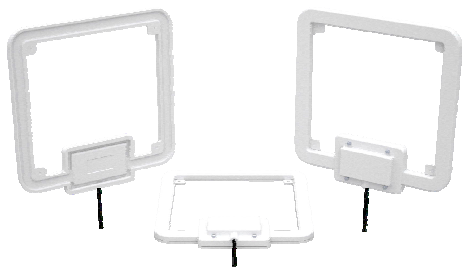
HF Antenna ID ISC.ANT310/310-A is distributed, already adjusted for most applications ex works. By means of jumpers the antenna can be adjusted to changing surrounding conditions, optimally.

Typical applications for the antenna are libraries, document tracking, video shops, logistics at conveyor belts or sorting systems, access control and industrial data acquisition. The antenna can be employed in indoor- and outdoor use (IP65).

With a maximum transmitting power of up to 8 W, the antenna can be operated with several OBID *i-scan*[®] HF readers by FEIG ELECTRONIC. Due to the used reader, reading ranges of up to 70 cm can be realized.

Scope of delivery:

- HF Antenna ID ISC.ANT310/310-A
- Mounting instruction



TECHNICAL DATA

Dimensions (W x H x L)	318 x 338 x 30 mm (12.4 x 13.18 x 1.17 inch)
Housing	Plastic ASA
Colour	white
Weight	approx. 700 g
Protection class	IP 65
Operating frequency	13.56 MHz
Maximum transmitting power	8 W
Admissible transmitting power	
EU (REC 70-03 An.9F1)*	8 W
EU (EN 300 330)	4 W
USA (FCC Part 15)	4 W
Reading range	
1.0 W transmitting power ¹	43 cm (16.77 inch)**
1.8 W transmitting power ²	50 cm (19.50 inch)**
4.0 W transmitting power ³	60 cm (23.40 inch)**
8.0 W transmitting power ⁴	70 cm (27.30 inch)**
Antenna connection	1 x SMA plug (50 Ohm)
Antenna connection cable	RG58, 50 Ohm, length approx. 3.6m
Temperature range	
Operation	-25 °C up to 55 °C
Storage	-25 °C up to 60 °C

* In connection with the reader ID ISC.LR2000 and according regulations EN 300 330 and ERC Recommendation 70-03 Annex 9 Vol. F1

** Reading ranges using a transponder 46 x 75 mm² over the centre of the antenna and parallel orientation to the antenna

¹ e.g. OBID[®] Mid Range Reader ID ISC.MR101

² e.g. OBID[®] Mid Range Reader ID ISC.MR200

³ e.g. OBID[®] Long Range Reader ID ISC.LR2000

⁴ e.g. OBID[®] Long Range Reader ID ISC.LR2000

STANDARD CONFORMITY

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

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Stand of information is August 2009.