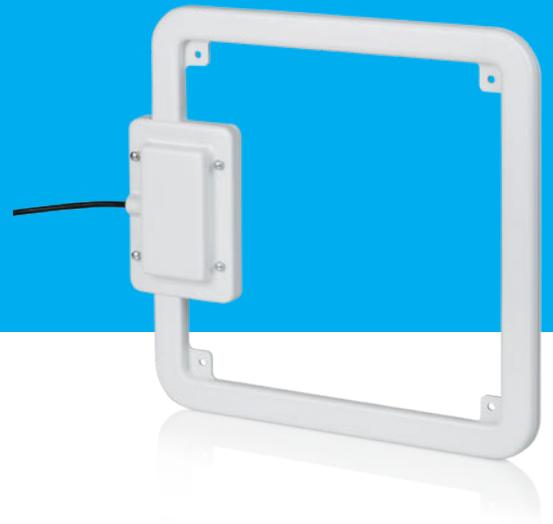


ID ANT310 / 310

HF LOOP ANTENNA

- Transmission power up to 8 W
- Protection class IP65
- Useful in many ways with several HF readers
- Manual alignment electronics for optimal adjustment to different surrounding conditions



HF Loop Antenna

HF Antenna ID 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, 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 HF readers by FEIG ELECTRONIC. Due to the used reader, read ranges of up to 70 cm can be realized.

Technical data

Dimensions (w x h x d)	318 mm x 338 mm x 30 mm
Weight	approx. 700 g
Housing	Plastic ASA
Color	white
Protection class	IP65
Temperature range	
Operation	-25 °C up to +55 °C
Storage	-25 °C up to +60 °C
Relative air humidity	5 % up to 95 % (non-condensing)
Operating frequency	13.56 MHz
Max. 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
Read ranges	
1.0 W transmitting power ¹	43 cm**
4.0 W transmitting power ²	60 cm**
8.0 W transmitting power ³	70 cm**
Antenna connection	1 x SMA plug (50 Ω)
Antenna connection cable	RG58, 50 Ω, length approx. 3.6 m

* In connection with the reader ID LR(M)2500 and according regulations EN 300 330 and ERC Recommendation 70-03 Annex 9 Vol. F1
** Read ranges using a transponder 46 x 75 mm² over the centre of the antenna and parallel orientation to the antenna

¹ For example Mid Range Reader ID MR102

² For example Long Range Reader ID LR(M)1002 and ID LR(M)2500

³ For example Long Range Reader ID LR(M)2500

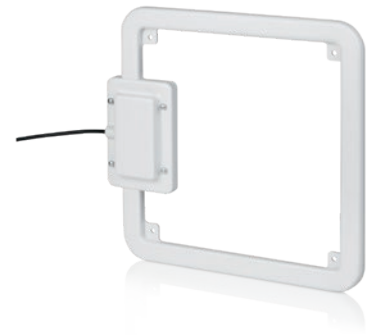
Standard conformity

Radio license

Europe	EN 300 330
USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

Order description

ID ANT310/310	HF Antenna
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ID ANT310 / 310