

OBID i-scan® HF

HF Loop Antenna ID ISC.ANT800/600-DA



FEATURES

- Transmitting power up to 8 W
- Protection class IP65
- Versatile use with several readers of the OBID i-scan® HF product family
- Read range up to 100 cm
- Easy setup due to integrated dynamic antenna tuner (ID ISC.DAT)



SHORT DESCRIPTION

The OBID i-scan[®] HF Long Range Antenna ID ISC.ANT800/600-DA can be used in combination with the readers ID ISC.MR200-A/-E, ID ISC.LR2500-A and the reader module ID ISC.LRM2500-A/-B.

The device is a single loop antenna with tuning circuitry and facilitates read ranges of up to 100 cm with a transmitting power of 4 W.

The antenna consists of the electrical antenna conductor, housing and the tuning circuitry ID ISC.DAT (Tuner) and is factory tuned on a wood base to an impedance of 50 Ω. After installing in changed ambient conditions, the antenna can be tuned using the corresponding commands.

TECHNICAL DATA

Dimensions (W x H x D)	852 mm x 620 mm x 40 mm (33.54inch x 24.41inch x 1.57inch)
Weight	approx. 2.5 kg
Housing	Plastic ABS
Color	black
Protection class	IP 65
Temperature range	
- Operation	- 25 °C up to 55 °C
- Storage	- 25 °C up to 60 °C
Humidity	5...95 % (not condensing)
Operating frequency	13.56 MHz
Maximum transmitting power	8 W
Permitted transmitting power	
EU (EN 300 330)	4 W
USA (FCC Part 15)	2 W
Canada (RSS-210)	2W
Read range	up to 100 cm*
Antenna connection	1 x SMA plug (50 Ω)
Antenna connection cable	RG58, 50 Ω, approx. 3.6 m

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

STANDARD CONFORMITY

Radio license	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	RSS210
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: September 2011.



ORDER DESCRIPTION

ID ISC.ANT800/600-DA HF Antenna