

ID ANT800 / 600-DA

## HF LOOP ANTENNA

- Transmitting power up to 8 W
- Protection class IP65
- Versatile use with several HF readers
- Read range up to 100 cm
- Easy setup due to integrated dynamic antenna tuner (ID DAT)



### HF Loop Antenna

The HF Long Range Antenna ID ANT800 / 600-DA can be used in combination with the reader ID LR(M)1002 and ID LR(M)2500.

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 DAT (Tuner) and is factory tuned on a wood base to an impedance of 50  $\Omega$ . 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
Weight	approx. 2.5 kg
Housing	Plastic ABS
Color	black
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 % (not condensing)
Operating frequency	13.56 MHz
Max. transmitting power	8 W
Permitted transmitting power	
EU (EN 300 330)	4 W
USA (FCC Part 15)	2 W
Canada (RSS-210)	2 W
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 mm<sup>2</sup> 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	RSS-210
EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

## Order description

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