

metraTec® DoubleLoop HF Antenna

The DoubleLoop antenna is a desktop antenna for HF systems that operate at 13.56 MHz. It has an elegant low profile housing with a metal back plate that shields the antenna from interference from below. With the right reader - e.g. metraTec's QuasarMX - and tag, you can expect a read range of up to 250mm allowing applications such as the check-in and check-out of stacks of books etc.

The size of the antenna is 265mm x 190mm x 25mm and it comes equipped with a 3m cable with an SMA or BNC connector. If desired, the antenna can be supplied without the plastic lid for direct integration into wooden furniture (e.g. under the tabletop) while retaining its shielding towards the back by its metal back plate which has holes for direct mounting.

Applications

- Check-in and Check-out of stacks of library books
- Integration into workplaces for work in progress identification



Technical Specification

Operating Principle	RFID HF Antenna
Operating Frequency	13.56 MHz (HF RFID)
Impedance	50 Ohm
Connector	SMA (BNC and others on request)
Read Range	250 mm (with QuasarMX)
Max. RF Power	4 W
Operating Temperature	-40 °C to +85 °C
Dimensions	265 x 290 x 25 mm

At a Glance

- Elegant housing
- Metal shielding towards the back
- Check-in and Check-out applications

About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification“, „Localization“, „Communication“ and „Wireless Power“. It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.



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