

metraTec® DeskID UHF Desktop Reader

The DeskID UHF is a small and economical RFID reader and writer for the use with 868 MHz (UHF RFID, EU frequency). It allows reading and writing EPC Class 1 Gen 2 tags directly with your PC or notebook computer. This makes it an indispensable tool in UHF applications in which tags have to be tested, written to or initialized easily.

The low profile design housing looks great on any desktop and is connected to the PC via USB. As it is also USB powered, setup is especially easy. Reading range depends on tag type and is typically in the range of 10 to 30 cm. Reading several tags at once (anti collision mode) is also possible.

Using the windows software supplied free of charge, compatible tags can be scanned, read from, written to and erased. A programming interface (DLL for Microsoft Visual Studio) allows quick and easy integration of the device into your own programs without having to bother with low level protocols. Using a straightforward ASCII-based low level protocol, the device can also easily be integrated into other operating environments as e.g. a Linux-PC or even a PLC.

Applications

- Setting up UHF RFID applications
- Testing and configuration of UHF tags
- Reading and writing of UHF tags directly using a PC



Technical Specification

Working Principle	Short-Range UHF RFID Desktop Reader
Operating Frequency	868 MHz (UHF RFID, ETSI)
RF Output Power	max. 50 mW
Antenna Connector	internal Antenna
Reading Range	up to 30 cm
Voltage	5V DC via USB ($\pm 10\%$)
Current Consumption	max. 300 mA
Communication	USB, Power LED, Activity LED
Operating Temperature	-20 °C to +70 °C
Housing, Dimensions	Acrylic, 66 x 96 x 15 mm
Weight	approx. 150 g
Protection	IP 30 (higher on request)
Conformity	conforms with CE, e.g. ETSI 302 208

At a Glance

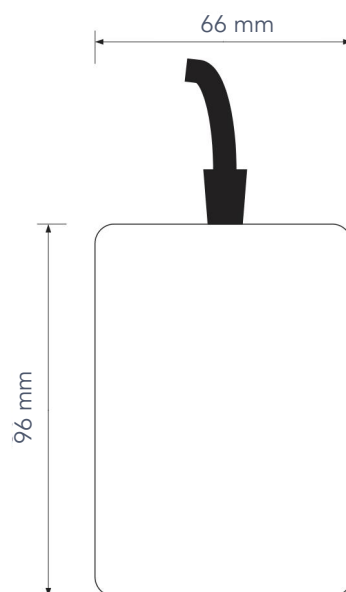
- Power over USB
- Compact, elegant housing
- Easy integration into your software environment

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.

Supported Tag Types

- EPC Class 1 Gen 2
- Custom commands using transparent mode (e.g. for tags with temperature sensor)



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