

metraTec® BraceID RFID Bracelet

With more and more UHF RFID applications in today's logistics processes, an increasing number of RFID tags has to be scanned. Using traditional handheld scanners is not always an optimal solution. Many devices are bulky and require at least one free hand for operation.

With the BraceID RFID Bracelet from metraTec there is an alternative that doesn't stop the work process. With this wearable device you can scan UHF RFID transponders seamlessly during normal handling operations. With a weight of less than 120g you can carry this device on your arm without operator fatigue. The RFID scan is activated via an integrated touch sensor or can be completely controlled from the software side. The bracelet has an integrated UHF RFID module and an energy efficient wireless communication module that transmits all scan data to a nearby gateway station. This keeps your WiFi network free from IoT data and lets the battery run for more than 2,000 scanning events.

Besides the pure scanning functionality the bracelet can provide the user with instant feedback after each action via three color LEDs, a vibration alarm or an integrated buzzer for acoustic feedback. The main module of the device can be separated from the base so multiple users can share the same device.

Applications

- Identification of boxes in short time
- Controlling picking steps
- Optimization of warehouse processes



BraceID RFID Bracelet



BraceID wristbands long/short

Technical Specification

Operating Principle	Wearable UHF RFID Scanner with wireless interface
Operating Frequency	RFID: 868 MHz, Communication: 2.4 GHz
Protocols	RFID: EPC Class 1 Gen 2, Communication: IEEE 802.15.4
Communication	metraTec MPS wireless data protocol
Supply Voltage	3.6V DC via exchangeable battery (BL-4C)
User Feedback	3x 3 color LED, vibra motor, buzzer
Dimensions	Housing: approx. 80 x 85 x 28mm
Weight	116g
Ingress Protection	IP42
Conformity	CE (RED), optional: FCC and other on request

Matching Accessories:

- IPS-Receiver
- Wristbands long/short
- Spare battery BL-4C
- Charging station with power supply unit



At a glance

- Wearable RFID Scanner
- Hands free operation
- Exchangeable battery

About metraTec

metraTec develops, manufactures and sells RFID hardware in the product segments „Finished Products“, „Automation“ and „Embedded RFID“. It serves a variety of industries, both with standard products as well as custom solutions. Our customers are mainly system integrators, research institutes as well as OEM customers.

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BraceID RFID Bracelet disassembled into individual components + double charging station with power supply unit