

## metraTec® RFID UHF-Gate

One of the most promising applications of RFID technology is supply chain optimization in logistics operations. Goods that are tagged with RFID labels can be automatically detected, allowing automatic inventory tracking.

To achieve the potential savings this application promises it is of paramount importance to reliably detect all tags entering and leaving such a system. Due to its special construction principle, UHF Gate achieves an ideal RF field distribution within the gate which in turn allows unprecedented reading rates of UHF tags. The gate allows successful deployments in RFID applications that are normally seen as difficult - such as e.g. with metal objects in the field or with many overlapping tags. The gate dimensions can be adapted to your specific application.

## Applications

- Automatic registration of goods movement
- Synchronization of digital and real world supplies
- Also applicable in situations where forklifts are used

## Further RFID Components from metraTec

The UHF Gate contains many hardware components from metraTec such as antennas and readers. If needed, we can also supply a metraTec Q-Server that filters data on site and makes the information gathered available in the format needed for easy integration into your business IT solution.



## Technical Specification

Operating Principle	RFID UHF-Gate (Complete System)
Resonance Frequency	865 - 950 MHz (UHF RFID)
Communication	Ethernet or RS232
Possible Inputs	Options: Light Barriers or Motion Sensors
Possible Outputs	Options: Signal Tower, LCD-Panel
Dimensions (Durchgang)	min: 1 x 2 m max: 3 x 3 m
Durchgangstiefe	0,5 - 2 m
Ingress Protection	IP 20
Conformity	CE, e.g. ETSI 302 208 other, e.g. FCC on request
RFID Protocols	EPC Class 1 Gen2
Communication Protocols	Connection to all common ERP systems, databases or proprietary standards, e.g. via metraTec Q-Server

## At a Glance

- Highest reading rates even under very difficult conditions
- Size according to your needs
- Easy integration into existing IT infrastructure

## 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 system integrators, research institutes as well as OEM customers.

## Contact

metraTec GmbH  
Niels-Bohr-Str. 5  
39106 Magdeburg, Germany

Tel.: +49 (0)391 251906-00

Fax: +49 (0)391 251906-01

Email: [sales@metratec.com](mailto:sales@metratec.com)

Web: [www.metratec.com](http://www.metratec.com)