



Identification systems

Far-sighted: UHF RFID system with integrated antenna



RFID UHF



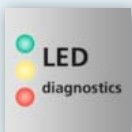
Integrated web server for configuration, diagnostics and monitoring

Integration into IT systems via TCP/IP interface

Adjustable range of up to 3 m for several transponders at once

Antenna not affected by installation in metallic environments

RFID UHF system EPC Global – Gen2 , ISO/IEC 18000-63



Far-sighted RFID solution

The compact UHF RFID system is suitable for applications requiring long ranges. Convenient: Evaluation unit and antenna are integrated in one compact housing. This saves space and simplifies installation. In material logistics, for example, the device can determine whether the right material is available in the required quantity for the production order. The system can be used to check inflow and outflow in high rack storage areas. The device can also be used in plant control. It reads product-specific machine parameters from the ID tag attached to the product. The individual setting of the machine helps to increase productivity and avoid downtime.



Advantages of ifm's UHF RFID solution:

Robust and expandable

Antenna, evaluation unit and TCP/IP interface are integrated in one compact, robust housing with protection rating IP 67 / IP 69K. This makes the system perfectly suited for use in harsh industrial environments.

Powerful antenna

Thanks to the internal antenna with circular polarisation, the device can be installed in metallic housings without reception being affected.

Integrated web server

The read/write units feature an integrated web server. Users can log in via an HTTP address to fully access the device.

Universal interface

The UHF RFID compact unit is ideal for direct connection to PCs, industrial PCs or PLCs that have no standardised fieldbus interface.

Additional digital inputs

The unit has two additional digital inputs and outputs, e.g. for controlling a light tower.

Status LEDs

A 5-digit LED bar graph display indicates the RSSI value (signal strength). This visualises the distance of the tag.

Applications








The DTE804 is ideal for track and trace and traceability applications, e.g.:

- product tracking
- access control
- asset management
- tracking of material
- assembly stations

Advantages:

- increase in productivity
- adherence to delivery dates
- material movement management
- avoidance of standstills
- increase of uptime

Products

Type	Description	Order no.
UHF RFID system		
	Compact unit, TCP/IP interface	DTE804
Mounting accessories for DTE804		
	Mounting bracket, stainless steel (1.4301 / 304)	E80335
	Mounting plate, stainless steel (1.4301 / 304)	E80336
	Mounting rod, stainless steel (1.4301 / 304)	E80337
Connection technology		
	Jumper cable, Ethernet, cross-over patch cable, 2 m, PVC cable, M12 / RJ45	E11898
	Jumper cable, Ethernet, patch cable, 10 m, PVC cable, M12 / RJ45	E12204
	Ethernet jumper, 2 m, PVC cable, M12 / M12	E21138
Selection RFID transponders		
	ID tag/R30X10/04 – 865...870 MHz, 96 bits	E80353
	ID tag/73.5X21.2/04 – 1000 pcs on reel	E80386
	ID tag/139 x 53 x 15/04	E80393
	ID tag/174 x 70 x 17.6/04	E80394

We reserve the right to make technical alterations without prior notice. · 04.2019