

deister – innovative products and solutions

The name deister electronic has been synonymous with innovative RFID products and solutions in the fields of security and automatic identification for more than 35 years. Our portfolio of products is used to manage keys and valuable objects, for vehicle identification, access control as well as logistics and automation technology. Developing and marketing new technologies as well as interfaces between products and systems forms the basis to create flexible solutions for customer-specific applications.



On-metal transponder

The UDC 160 / 170 is a passive UHF transponder with EPC Class 1 Gen 2 protocol. The antenna technology used makes it possible to mount the antenna directly onto metal and also offers a generous reading range over the complete 180° radius. The wide reading angle and 5 m reading distance are perfectly suited to facilitate applications in logistics, factory automation and vehicle identification. The UDC 160 / 170 is quick and easy to install on vehicles, containers, trains and similar using screws or adhesive.

Your benefits at a glance:

- **Rugged design**
- **Easily mounts directly onto metal**
- **Long reading/writing distances**
- **Wide reading field of 180°**
- **No maintenance, no battery**

Technical data

Dimensions WxHxD:	158 x 22 x 18 mm
Protection class:	IP67
Operating temperature:	-20 ... +75°C
Frequencies:	865 – 930 MHz
Transponder protocols:	ISO 18000-6 C EPC Class 1 Gen 2
Reading distance:	Up to 5 m
Writing distance:	50% of the reading distance
Memory capacity:	up to 256 Bit user memory
Fixcode:	UDC 160 32 bit
OTP:	UDC 170 User formats up to 64 bit