

Flexible and robust RFID UHF read/write systems from deister electronic provide fast and reliable identification of stationary and moving objects from various distances.

UDL50

The UDL50 personifies and tests UHF transponders. It can be used at the point of sale to register goods, to save data or to kill transponders with a special key enabled command.

ISO 18000-6C (EPC Class 1 Gen 2) transponder protocol is supported. Firmware updates can also enable the table reader to support other transponder protocols, protecting your investment and making future innovations simple.



Your benefits at a glance

- **For “Point of sale” applications**
- **Personification of transponder**
- **UHF short range to test and qualify transponder**
- **Limited identification area**
- **USB connection to the host system**

Technical Data

Dimensions (mm):	196 x 152 x 48
Housing material:	ABS
Protection class:	IP20
Operating temperature:	+5°C ... +40°C
Storing temperature:	-40°C ... +85°C
Relative humidity:	5% ... 95% non condensing
Power supply:	10 ... 30 V/DC
Power consumption:	6W (in operation) 600mW (standby)
Operating frequency:	865-868 MHz (EU), or 902-928 MHz (USA), or 952-954 MHz (JP)

Read/write range: up to 0,5m depending on the type of transponder and the conditions of the environment

Radiated output power: 45mW ERP (EN 300 220)

Transponder protocol: ISO 18000-6 C
EPC Class1 Gen 2
Optional:
EM 4022, 4222, 4422

Interfaces: USB (Ethernet, Bluetooth™ optional)

Anti-collision: Possibility to identify multiple transponders in the antenna field

Compliance:
Human exposure EN 50364
EMC EN 301 489
Air Interface (EU) EN 300 220
Air Interface (US) FCC Part 15