

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 is designed for personalizing and testing UHF transponders. It can be used at a point of sale in order to register goods, save data or to kill transponders with a special key enabled command.

ISO 18000-6C (EPC Class1 Gen2) 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
- Personalization of transponders
- UHF short range for testing and qualifying transponders
- USB connection to host system

Technical Data

Dimensions (mm):	196 x 152 x 48
Weight:	approx. 485 g
Housing Material:	ABS
Protection Class:	IP 20
Operating Temperature:	+5 °C...+40 °C
Storing Temperature:	-40 °C...+85 °C
Relative Humidity:	5 %...95 % non-condensing
Voltage Supply:	12...24 V/DC
Power Consumption:	6 W (operating mode) 600 mW (standby)

UDL50 – The UHF Table Reader



Operating Frequency:	865-868 MHz (EU) or 902-928 MHz (USA) or 952-954 MHz (JP)
Radiated Transmit Power:	max. 45 mW E.R.P. (EN 302 208) or max. 75 mW E.I.R.P. (FCC Part 15), configurable
Transponder Protocols:	ISO 18000-6C EPC Class1 Gen2 optional: EM 4022, 4222, 4422
Anticollision:	identification of multiple transponders within the antenna field
Reading/Writing Distance:	up to 0.5 m, depending on type of transponder and environmental conditions
Interfaces:	USB, optional: Ethernet, Bluetooth™
Conformity:	Human exposure EMC Air Interface (EU) Air Interface (US)
	EN 50364 EN 301 489 EN 302 208 (LBT) FCC Part 15