



## RDL 90 - the 13.56 MHz read/write unit for industrial applications

These flexible RF/ID solutions from deister electronic are designed to allow fast and reliable identification of stationary and moving objects.

logident – a family of read/write units for different types of 13.56 MHz high frequency transponders (e.g. Smart Labels). Especially developed for the harsh environments in production, distribution and logistics.



### RDL90

The RDL 90 is a compact read/write unit designed for short range applications used in industrial automation or for process control.

Depending on the type of transponder up to 992 user bytes can be stored on the chip, which provides local information about the object being tagged without the need have contact to an online central database.

Due to it's digital I/O's and several configuration options, this reader meets most of the hard requirements of factory automation and logistics.

Because of it's rugged design and fully encapsulated electronics, this reader is ideally suited for harsh industrial environments.

### Your advantages at a glance:

- **Anti-collision for multiple tag reading**
- **ISO 15693 compatible**
- **Flash programmable reader firmware**
- **Various configuration options**
- **Digital I/O's**
- **Rugged design**

### Technical Data

<b>Dimensions:</b>	100 x 74 x 30 mm
<b>Protection type:</b>	IP 67 (IEC 529)
<b>Operating temperature:</b>	-20 °C...+70 °C
<b>Storage temperature:</b>	-40 °C...+70°C
<b>Supply voltage:</b>	8...30 V/DC
<b>Power consumption:</b>	ca. 1.2W
<b>Operating frequency:</b>	13.56 MHz
<b>Read/write distance:</b>	up to 120 mm dependent on transponder type and the local environment
<b>Data transmission speed:</b>	ca. 26 kBit/s
<b>Reading/writing speed:</b>	< 50 ms per block
<b>Types of transponder:</b>	ISO15693, I•CODE
<b>Trigger input:</b>	8-36 V/DC
<b>Output:</b>	6-32 V/DC; I < 500 mA 32-48 V/DC ; I < 300 mA
<b>Interface:</b>	RS 232, optional RS 485 data rate: 9600 baud, 19200 baud, 38400 baud