

# tranSpeed®

## TSU25DB/TSU25DB-PIR The smart UHF-Reader

deister electronic has developed a complete solution for the automatic identification of vehicles and other objects. The tranSpeed family includes all system components including transponders, readers, controllers, software and all necessary accessories.

These innovative tranSpeed products offer long range contactless identification using either the latest UHF or microwave technology. tranSpeed is ideal for car parking and the identification of buses, trains and trams as well as container tracking and logistics.



### TSU25DB TSU25DB-PIR

The compact UHF reader TSU25DB identifies passive transponders within 4 m (13 ft.) reading range. Inexpensive passive transponder technology combined with long reading range makes the use of the TSU25DB most profitable.

The TSU25DB-PIR has an integrated PIR-sensor which allows to trigger the reading process without the need of an induction loop. Clearly visible LEDs indicate a positive identification.

To use the TSU25 readers with existing systems deister electronic offers a wide range of interface converters; like DBC or SIC. With these converters all standard and customized protocols and interfaces are supported.

### Your benefits at a glance:

- **Long Reading Distance provides Reliable Identification**
- **Cost effective Passive Transponders**
- **Software-adjustable Reading Range**
- **Integrated Infrared Motion Sensor (optional)**
- **Clearly Visible LED's**
- **Plug & Play Installation**

### Technical Data

<b>Dimensions:</b>	
mm (inch) W x H x D	278 x 238 x 86 (11 x 9.4 x 3.4)
<b>Weight:</b>	
kg (lbs)	2,5 (5.5)
<b>Housing Material:</b>	ABS/PMMA, AI
<b>Protection Class:</b>	IP65
<b>Operating Temperature:</b>	-30 °C...+60 °C -22 °F...+140 °F
<b>Relative Humidity:</b>	5 %...95 %, non-condensing
<b>Power Requirement:</b>	12...28 VDC / max. 1 A
<b>Transmission Frequency:</b>	865 – 868 MHz (EU) or 902 – 928 MHz (US) or 953 – 956 MHz (JP)
<b>Transmit Power:</b>	max. 1.6 W E.R.P. or max. 2.6 W E.I.R.P. (FCC Part 15), configurable
<b>Transponder Protocols:</b>	ISO18000-6 C (EPC Class1 Gen2)
<b>Reading Distance:</b>	m (ft.) up to 4 (up to 13)
<b>Interface:</b>	RS485 with deBus protocol
<b>Electrical Connection:</b>	M12-connector with 4 Pins
<b>Conformity:</b>	EN 302208 v1.2 EN 50346 EN 301489

### Accessories

06103.000 Wall Mount LRM1  
06106.000 Pole Mount LRM3