

tranSpeed®

TSG60DB – The High-Speed 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.



TSG60DB

The TSG60DB is a long range reader which was specially developed for applications where identification up to 8 m is required. High speed detection and the ability to mount the according transponders directly onto metal surfaces make this system ideal for vehicle and container identification.

A Window Tag and a Heavy Duty Tag are available to scope with all applications inside and outside of a car. To use the TSG60DB 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:

- **Up to 8 m (26 ft.) Read Range**
- **Adjustable Reading Range**
- **High bypassing speed**
- **Multi Channel Frequency Offset**
- **Long Range Reading**
- **Weather Proof Housing**
- **One Plug Connects All**

Technical Data

Dimensions:	295 x 170 x 92.5 mm (inch) W x H x D
Weight:	1.7 kg (lbs)
Housing Material:	ABS/PMMA, Al
Protection Class:	IP65 (approx. NEMA 4X)
Operating Temperature:	-30 °C...+60 °C -22 °F...+140 °F
Relative Humidity:	5%...95%, non-condensing
Power Requirement:	12...28 VDC / max. 300 mA
Transmission Frequency:	2.45 GHz
Channels:	26 with 300 kHz spacing
Reading Distance:	up to 8 m (ft.) (up to 26)
Interface:	RS485 with deBus protocol
Max. Object Speed:	≤ 100 km/h (62 mph)
Electrical Connection:	M12-connector (4-pole)
Conformity:	EN 302440

Accessories

06103.000 Wall Mount LRM1
06106.000 Pole Mount LRM3