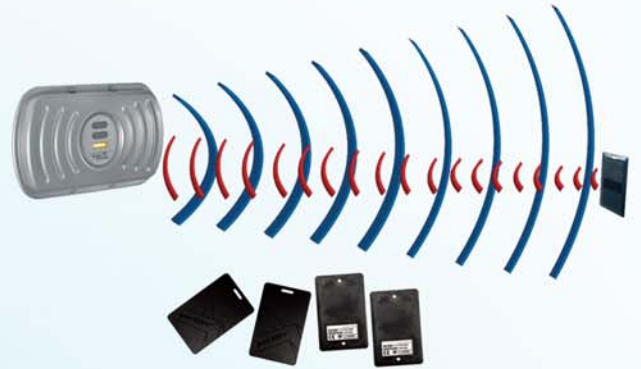


The Proven RFID Long Range Reader for Vehicles/Personnel Access Control 8 metres



Supports the broadest range of card technologies

deister electronic **LEGIC** **mifare** **HID** EM, etc.

Features and Benefits

- Fast and reliable identification of up to 8 metres
- 100% hands-free system
- Dual-technology transponders for a 'Single-Card' solution (2.45GHz and 13.56MHz/125KHz)
- Multi-channel frequency offset
- Aesthetic and rugged housing
- IP65 Protection
- Adjustable reading range
- Maintenance free



TSG60DB RFID Long Range Reader for Fast and Reliable Personnel/Vehicle Access Identification



TSG60DB is a long range reader, using the 2.45GHz microwave technology and is specially developed for application where vehicle/personnel identification of up to 8 metres is required. High speed detection and the ability to mount the transponders directly on to metal surfaces make this system ideal for vehicle identification. It offers multi-credentials reading of up to 12 credentials simultaneously in anti-collision protocol mode. Enclosed in aesthetic design housing and at the same time rugged, sturdy, anti-corrosion and waterproofing, TSG60DB is exceptionally compact. It provides optimum performance even in hostile, harsh, wet/hot environment that is frequently exposed to harsh elements such as sun, rain, dust and humidity factors.

Features

- easy to install and service-friendly
- rugged enclosure, suitable for outdoor usage
- anti-corrosion, waterproof enclosure
- high speed detection for reliable identification
- audible and visual feedback for easy and safe system operation
- excellent reading distance even at tilted angle
- compatible with most existing access control system
- adjustable reading distance
- up to 32 readers cross-linkable
- CE approved



Serial Interface Converters (SIC)

To use the TSG60DB readers with existing systems, deister electronic offers a wide range of smart Serial Interface Converters (SIC). With these converters, all standard and customised protocols and interfaces are supported. Every SIC has an encrypted deBus protocol to the reader to secure the data integrity.

Technical Specifications of TSG60DB, Serial Interface Converter & Transponders

Product	Dimension (mm)	Housing	Protection Type	Power Supply	Interfaces	Operating Temp	Reading Distance
TSG60DB	295 x 170 x 92.5	ABS/PMMA, AI	IP65	12...28VDC/ max. 300mA	RS485 with deBus protocol	-30°C..+60°C	up to 8 metres depending on credential type, installation & surroundings
Serial Interface Converters (SIC)	59 x 41.5 x 14		IP20	10...30VDC/ 40 mA	SIC1: Open Collector <i>(wiegand, D/C, magstripe)</i> SIC2: RS485 <i>(various bi-directional)</i> SIC3: RS232 <i>(various- bi-directional)</i>	-20°C..+60°C	

Transponder Type : Format (Frequency/Chip Technology)

Card transponder

TPG 5501 : 32 bit Fixcode (2.45GHz)
 TPG 5502 : 32 bit Fixcode w/Dual Technology (2.45GHz + 125KHz)
 TPG 5505 : Dual Technology (2.45GHz/125KHz HID)
 TPG 5601 : OTP customised (2.45GHz)
 TPG 5603 : Dual Technology (2.45GHz/13.56MHz Mifare)
 TPG 5604 : Dual Technology (2.45GHz/13.56MHz Legic)
 TPG 5606 : Dual Technology (2.45GHz/13.56MHz HID i-Class)

Heavy duty transponder

TPG 6501 : 32 bit Fixcode 2.45GHz
 TPG 6601 : OTP customised (2.45GHz)
 TPG 6603 : OTP customised w/Dual Technology (2.45GHz/13.56MHz Mifare)

Dimension (mm)	Protection Type	Operating Temp	Material	Reading Distance
85 x 54 x 6	IP54	-25°C..+60°C	ASA	8 metres*
100 x 60 x 8.5	IP67	-25°C..+60°C	PC/ABS	8 metres*

Specifications subject to change without notice

** The reading distance can be affected by vehicles fitted with heat reflecting materials or anti-solar film like Vcool, etc.*

Dealer



Specifications subject to change without notice 07/10

TPG Transponders for 2.45GHz Readers



Card

The TPG5xxx series transponder range is designed to be used along with the TSG60DB. It comes in standard 32 bit fixcode format or customisable format from 26 bit to 64 bit. A special technology allows a long battery lifespan of 5 years plus.



Heavy Duty

The heavy duty TPG6xxx is ideal for industrial and logistics applications, i.e tracking of truck containers and trailers. It can be mounted directly onto metal surfaces or any other metallic material.

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