

## tranSpeed®

### Vehicle identification systems and components

Fast, reliable and accurate long range automatic vehicle or driver identification eliminates traffic queues at entrances and exits providing positive identification in all weathers. Ideal for parking, traffic management and hands-free driver access or to control restricted traffic in city centres and airports. The technology can also be applied to railways and toll roads. tranSpeed seamlessly integrates to other control systems using standard interfaces or can operate as standalone solution. Wide choices of transponders are available including rugged tags, self-adhesive windscreen labels and cards.



### The high-speed reader

With its substantial detection range the TSG 60 was specially developed for applications that require reading distances up to 8 m. The reader is designed for high-speed identification; in conjunction with appropriate transponders that can be mounted directly onto metal this system is particularly suitable for secure and fast identification of vehicles and containers.

A windscreen transponder and a heavy-duty transponder are available to cover all possible applications in and outside of the vehicle. To be able to combine the TSG 60 reader with existing systems deister offers a wide range of interface converters, such as DBC and SIC. With these converters all standard and customer-specific protocols are supported.

### Your benefits at a glance:

- **Reading distance up to 8 m**
- **Adjustable range**
- **High-speed detection**
- **Multiple transmission channels**
- **Large range**
- **Weather-proof housing**
- **Plug & Play installation**

### Technical data

|                               |                           |
|-------------------------------|---------------------------|
| <b>Dimensions WxHxD:</b>      | 295 x 170 x 92.5 mm       |
| <b>Weight:</b>                | 1.7 kg                    |
| <b>Housing material:</b>      | ABS/PMMA, Al              |
| <b>Protection class:</b>      | IP65                      |
| <b>Operating temperature:</b> | -30...+60°C               |
| <b>Relative humidity:</b>     | 5...95%, non-condensing   |
| <b>Power requirement:</b>     | 12...24 VDC / max. 300 mA |
| <b>Frequency:</b>             | 2.45 GHz                  |
| <b>Radiant power:</b>         | 30 mW E.R.P.              |
| <b>Reading distance:</b>      | Up to 8 m                 |
| <b>Interface(s):</b>          | RS485 with deBus protocol |

### Accessories

06103.000 ball-joint mount LRM 1  
06106.000 base plate for post installation LRM 3