

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.



Active transponder

The TPA is an active transponder, which was developed for use together with the locator TAL 700.

Upon entering the transmission range of a locator the transponder is woken by a coded 125 kHz signal, which also carries information about the location of the locator. Once woken by the TAL 700 the transponder responds with its ID and the location code it received.

The wake-up range in conjunction with the TAL 700 is as much as 7 m. The low-frequency wake-up field facilitates use behind a vehicle windscreen shielded against UV rays, for example with V-Kool™. It is also possible to detect the transponder inside of the vehicle.

Your benefits at a glance:

- **Secure data transmission**
- **Customer can replace the battery**
- **Possible to use in shielded vehicles**
- **Long battery life**
- **Option to retrofit 13.56 MHz technology**

Technical data

Dimensions WxHxD:	54 x 85 x 6 mm
Housing material:	ASA
Protection class:	IP54
Operating temperature:	+5...+60°C
Relative humidity:	5...95%, non-condensing
Power requirement:	1 x CR 2450
Frequencies:	
TPA 80xx	125 kHz / 433 MHz
Operating range:	Up to 7 m
Fix Code	
TPA 8014:	Active
TPA 8024:	Active / mifare Classic / 1 kB
TPA 8034:	Active / mifare DESFire EV1 / 8 kB
OTP	
TPA 8114:	Active
TPA 8124:	Active / mifare Classic / 1 kB
TPA 8134:	Active / mifare DESFire EV1 / 8 kB