

The RFID windshield label serves for the automatic, contactless identification of vehicles (Automatic Vehicle Identification, AVI).

The label is adhered to the inside of the windshield.

The development of the RFID windshield label has been focused on a very high read range due to the special antenna behind the glass and a passive function without a battery.

The Privacy protection is realised via an untraceable command.

The label material is a combination of a PP and PET layer. Extra security kiss cuts improve security against removal and re-use.



## ➤ General Specifications

<b>Order No.</b>		<b>52010556</b>
Type		WSL-TP-U825-K-A
Frequency range	[MHz]	865–928
Delivery lot	[pcs]	500
Dimension (standard)	[mm]	100 x 25
Thickness	[µm]	210
Operating ambient temperature range	[°C]	-40 to +85
Protocol		EPC Class1 Gen2v2/ISO 18000-63, ISO/IEC 29167-10
Chip		UCODE 8
<b>Memory</b>		
EPC serialized		128 bit
User Memory		-
Uniqe TID		96 bit
Read Range (on non-metallised glass in center position)	[m]	typ. 12; max. 16*
IT security		32-bit kill password to permanently disable the tag, 32-bit access password, Privacy protection via untraceable command
Programming		9-digit consecutive numbers in ASCII
Serialisation		9 numeric characters in clear text; barcode

\*This read range can only be guaranteed if all the storage and mounting conditions described in the *User Guide for Windshield Labels and Headlamp Tags* are met.

## ➤ Key Applications

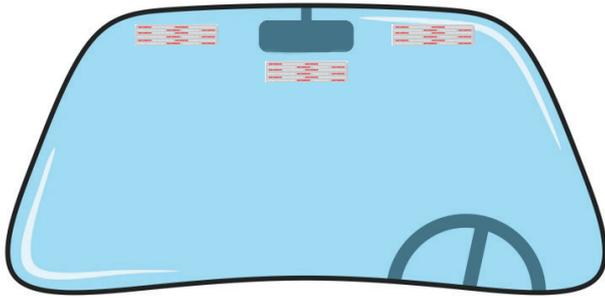
- Intelligent Transportation Systems (ITS)
- Electronic Toll Collection (ETC)
- Electronic Vehicle Registration (EVR)
- Smart City Applications

## ➤ Mounting Instructions

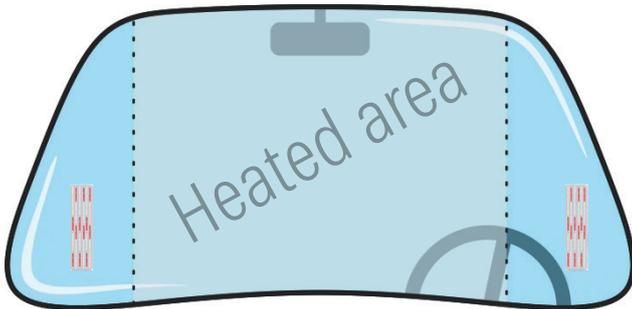
Kathrein RFID WSL Transponders are optimized to get a maximum read performance on a glass surface. Based on a high-performance antenna design, it is possible to achieve read ranges of more than 12 meters.

Use the following areas to mount the transponder.

### Cars with standard glass windshields



### Cars with heated windshields



### Cars with UV-protected windshields

