



# **Automatic Vehicle Identification**

Functional specifications

TRANSIT product line

# **2002**

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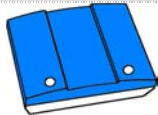

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## TRANSIT Long range readers



Product	Art. nr.	Description
	9874801	<p><b>TRANSIT Standard</b></p> <p><i>Long range microwave reader with built in antenna</i></p>
		<p><b>Technical features</b></p> <ul style="list-style-type: none"> <li>• Operating frequency: 2.400 ... 2.483 GHz</li> <li>• Dimensions: 310 x 250 x 100 mm</li> <li>• Weight: &lt;5 kg</li> <li>• Detection range: up to 10 metres</li> <li>• Operating temperature range: -30..+70°C</li> <li>• Protection class: IP65</li> <li>• Object speed: up to 200 km/h at appropriate distance</li> <li>• Power: 230 VAC +10%, 125 mA, 50-60 Hz / 22..30 VDC, max. 1A</li> <li>• Input: 1 dry contact or TTL</li> <li>• Relay output: 1 relays output (NO, Common, NC)</li> <li>• Outputs: Barcode 39, Wiegand 26-bit, Wiegand FF56 and Omron ISO 7811/2</li> <li>• Interfaces: RS232, RS422, 20MA CL, Profibus DP, Interbus S, Multidrop, TCP/IP</li> <li>• Communication protocol: CR/LF, DC2/DC4, TCP/IP, Interbus S, Profibus DP</li> <li>• Order information: customer code &amp; name, firmware version, interface board and frequency settings</li> <li>• Wall mounting set included</li> </ul>
	9873694	<p><b>TRANSIT Extended</b></p> <p><i>Long range microwave reader with extended access control functionality</i></p>
		<p><b>Technical features</b></p> <ul style="list-style-type: none"> <li>• Operating frequency: 2.400 ... 2.483 GHz</li> <li>• Dimensions: 310 x 250 x 100 mm</li> <li>• Weight: 5 kg</li> <li>• Detection range: up to 10 metres</li> <li>• Operating temperature range: -30..+70°C</li> <li>• Protection class: IP65</li> <li>• Object speed: up to 200 km/h at appropriate distance</li> <li>• Power: 230 VAC +10%, 125 mA, 50-60 Hz / 22..30 VDC, max. 1A</li> <li>• Input: 2 input, for dry contact or open collector (TTL)</li> <li>• Output: 1 dry contact (NO, Common, NC)</li> <li>• Interfaces: RS232, RS422, 20MA CL, Profibus DP, Interbus S, Multidrop, TCP/IP</li> <li>• Communication protocol: CR/LF, DC2/DC4, Wiegand, Omron ISO 7811/2, Barcode 39, TCP/IP, Interbus S, Profibus DP</li> <li>• Slave communication via Meyle Multidrop board</li> <li>• Back-up battery</li> <li>• Number of events: 100 events and 20 alarms</li> <li>• Storage of authorisation profiles of up to 1000 badges</li> <li>• Day and time zones programmable with WinXS/ WinGate software</li> <li>• Internal clock with calendar</li> <li>• Lock control and door contact</li> <li>• Order information: customer code &amp; name, firmware version, interface board and frequency settings</li> <li>• Wall mounting set included</li> </ul>
	5626595	<p><b>TRANSIT mounting kit</b></p> <p><i>Pole mounting set</i></p>



## TRANSIT Window Button


Product	Art. Nr.	Description
	9882650	<b>Window Button R/O</b> <i>Microwave tag characterised by 'state of the art' technology and exceptional design suiting the interior of every passenger car</i>
		<b>Technical features</b> <ul style="list-style-type: none"><li>• Operating frequency: 2.45 GHz and 120 kHz</li><li>• Dimensions: Ø 76 mm according to ERTICO OBU standard</li><li>• Weight: 55 gram</li><li>• Battery life: minimum of 5 years</li><li>• Temperature range: -20..+85°C</li><li>• Detection range: 10 metres</li><li>• Protection class: IP32</li><li>• Operating mode: continuously active</li><li>• Mounting method: interior side of the windscreen by means of suction cup</li><li>• Order information: article number, customer name &amp; code and number range</li></ul>
	9882480	<b>Window Button switch Meyle R/O</b> <i>Window Button with push button activation.</i>
		<p>The Window Button with switch is developed for applications where continuous activation is not required and where the driver needs to determine the identification moment. The transponder can be customised with corporate logo on the switch at the front of the tag. Standard the Meyle logo will be printed on the switch. On request colour of the transponder can be adjusted.</p> <b>Technical features</b> <ul style="list-style-type: none"><li>• Operating frequency: 2.45 GHz and 120 kHz</li><li>• Dimensions: Ø 76 mm according to ERTICO OBU standard</li><li>• Weight: 55 gram</li><li>• Battery life: minimum of 5 years</li><li>• Temperature range: -20..+85°C</li><li>• Detection range: 10 metres</li><li>• Protection class: IP32</li><li>• Mounting method: interior side of the windscreen by means of suction cup</li><li>• Operating mode: push button activation</li><li>• Order information: article number, customer name &amp; code and number range</li></ul>

## TRANSIT Window Tag


Product	Art. Nr.	Description
	9862897	<b>Window Tag R /O</b>  <i>Microwave tag for window mounting, read only version</i>
		<b>Technical features</b> <ul style="list-style-type: none"> <li>• Operating frequency: 2.45 GHz and 120 kHz</li> <li>• Dimensions: 116 x 72 x 27 mm according to ERTICO OBU standard</li> <li>• Weight: 95 gram</li> <li>• Battery life: minimum of 5 years</li> <li>• Temperature range: -20..+85°C</li> <li>• Detection range: 10 metres</li> <li>• Protection class: IP32</li> <li>• Mounting method: interior side of the windscreen by means of suction cups</li> <li>• Operating mode: continuously active</li> <li>• Order information: article number, customer name &amp; code and number range</li> </ul>
<i>Optional</i>	9866078	<i>Window Tag R/W (read write)</i>
	9866094	<b>Window Tag &amp; switch</b>  <i>Microwave tag with push button activation</i>
		<b>Technical features</b> <ul style="list-style-type: none"> <li>• Operating frequency: 2.45 GHz and 120 kHz</li> <li>• Dimensions: 116 x 72 x 27 mm according to ERTICO OBU standard</li> <li>• Weight: 95 gram</li> <li>• Battery life: minimum of 5 years</li> <li>• Temperature range: -20..+85°C</li> <li>• Detection range: 10 metres</li> <li>• Mounting method: interior side of the windshield by means of suction cups</li> <li>• Operating mode: push button activation</li> <li>• Colour: grey RAL 7035, optional anthracite RAL 7016</li> <li>• Order information: article number, customer name &amp; code and number range</li> </ul>
<i>Optional</i>	9866086	<i>Window Tag switch R/W</i> <span style="float: right;"><i>push button activation / Read Write</i></span>
	9862900	<i>Window Tag switch anthracite R/O</i> <span style="float: right;"><i>push button activation / Read Only</i></span>



## TRANSIT Booster


Product	Art. Nr.	Description
	9848819	<b>Booster ISO card</b>  <i>Microwave tag that can hold an inductive card and transmit card ID over long range</i>
		<b>Technical features</b> <ul style="list-style-type: none"> <li>• Operating frequency: 2.45 GHz</li> <li>• Dimensions: 116 x 72 x 27 mm according to ERTICO OBU standard</li> <li>• Weight: 95 gram</li> <li>• Battery life: 5 years in average usage</li> <li>• Temperature range: -20..+85°C</li> <li>• Detection range: 10 metres</li> <li>• Protection class: IP32</li> <li>• Mounting method: interior side of the windscreen by means of suction cups</li> <li>• Operating mode: push button activation</li> <li>• Order information: article number</li> </ul>
<i>Optional</i>	9848827	<i>Booster for XS card</i>

## TRANSIT Combi-Booster


Product	Art. Nr.	Description
	9884025	<b>Combi-Booster for ISO card</b>  <i>Microwave tag combined with standard booster function for vehicle as well as driver identification</i>
		<p>A separate ID (vehicle ID) is programmed in the booster hardware, which offers the unique feature to combine vehicle ID and driver ID (of the inserted card).</p> <p><b>Technical features</b></p> <ul style="list-style-type: none"> <li>• Operating frequency: 2.45 GHz and 120 kHz</li> <li>• Dimensions: 116 x 72 x 27 mm according to ERTICO OBU standard</li> <li>• Weight: 95 gram</li> <li>• Battery life: 5 years in average usage</li> <li>• Temperature range: -20..+85°C</li> <li>• Detection range: 10 metres</li> <li>• Protection class: IP32</li> <li>• Mounting method: interior side of the windscreen by means of suction cups</li> <li>• Operating modes: A,B,C and D <ul style="list-style-type: none"> <li><i>A: Continuous transmission of vehicle and driver ID</i></li> <li><i>B: Continuous transmission of vehicle ID, when button is pressed combined vehicle and driver ID will be transmitted</i></li> <li><i>C: Only after push button activation combined vehicle and driver ID is transmitted</i></li> <li><i>D: Randomly transmission of combined vehicle and driver ID</i></li> </ul> </li> <li>• Supported cards: 120 kHz Meyle, 125 kHz EM4001/4002 and Meyle Combi-cards Mifare and Legic</li> <li>• Order information: article number, customer name &amp; code and operating mode</li> </ul>
<i>Optional</i>	9884017	<i>Combi-Booster for XS card</i>





## TRANSIT Heavy Duty Tag

Product	Art. Nr.	Description
	9875689	<b>Heavy Duty Tag R/O</b> <i>Microwave tag designed for harsh environmental conditions. The Tag is weatherproof protected and also applicable in explosive zones.</i>
		<b>Technical features</b> <ul style="list-style-type: none"><li>• Operating frequency: 120 kHz and 2.45 GHz</li><li>• Dimensions: 123 x 86.8 mm</li><li>• Weight: 112 gram</li><li>• Battery life: minimum 8 years</li><li>• Temperature range: -30..+85°C</li><li>• Detection range: 10 metres</li><li>• Protection class: IP65</li><li>• Approval: EN50014 (1992) for intrinsic protection security Eex ia IIC T4/T6</li><li>• Mounting method: on the outside of a vehicle by two M6 bolts, screws or rivets</li><li>• Operating mode: continuously active</li><li>• Order information: article numbers, customer name &amp; customer code</li></ul>
<i>Optional</i>	9849289	<i>Heavy Duty Tag R/W 6 (Read/Write 6 decimal number)</i>
<i>Optional</i>	9875697	<i>Heavy Duty Tag R/W 80 (Read/Write 80 bits or 20 hexadecimal)</i>




## TRANSIT Pocket Tag

Product	Art. Nr.	Description
	9882170	<p><b>Pocket Tag R/O</b></p> <p><i>TRANSIT microwave transponder developed of identification of people in long and short range hands-free applications.</i></p>
		<p>The Pocket Tag has the unique dual band feature, which enables reading of the tag by microwave reader over long range and on short range by means of an inductive antenna.</p> <p><b>Technical features</b></p> <ul style="list-style-type: none"> <li>• Operating frequency: 2.45 GHz and 120 kHz</li> <li>• Dimensions: 86 x 54 x 5 mm (credit card sized)</li> <li>• Weight: 20 gram</li> <li>• Battery life: minimum of 5 years</li> <li>• Detection range: 5m, multiple read</li> <li>• Temperature range: -20..+85°C</li> <li>• Protection class: IP32</li> <li>• Mounting method: clip and card keep</li> <li>• Operating mode: active 200 msec. every 2 seconds</li> <li>• Order information: article number, customer name &amp; customer code</li> </ul>
<i>Optional</i>	9881670	<i>Pocket Tag R/W (Read/Write)</i>

## TRANSIT Pocket Tag accessories

Product	Art. Nr.	Description
	5450055	<p><b>Clip</b></p> <p><i>A chrome metal "crocodile clip" with a nylon strap. The strap is easily threaded through the oval holes in the tag and snapped together for assembly. Minimum order quantity 100 pieces.</i></p>
	5790190	<p><b>Card Keep</b></p> <p><i>Pocket Tag holder for windshield mounting by means of suction cup. The holder is suitable for credit card sized tag 85.5 x 54 mm. Minimum order quantity 100 pieces.</i></p>

## Combined transponder sets

Product	Art. Nr.	Description
		<p><b>Booster ISO card and ProXS HT card R/O</b></p> <ol style="list-style-type: none"> <li>1. Microwave tag which can hold an inductive card and transmit card ID over long range</li> <li>2. High temperature proximity card suited for driver identification</li> </ol> <p>Both transponders are packed in a box and programmed with the same unique numbering.</p>
		<p><b>Window Button R/O and TXS Key fob R/O</b></p> <ol style="list-style-type: none"> <li>1. Window Button for convenient long range vehicle access to a parking facility or corporate premises</li> <li>2. Key Fob for driver identification to gain access to a building or the pedestrian entrance of a parking facility by proximity identification.</li> </ol> <p>Key fob for driver identification Window button for vehicle identification</p> <p>Both transponders are packed in a box and programmed with the same unique number.</p>
		<p><b>Window Button switch R/O and TXS Key fob R/O</b></p> <ol style="list-style-type: none"> <li>1. Window Button for convenient long range vehicle access to a parking facility or corporate premises when push button is activated</li> <li>2. Key Fob for driver identification to gain access to a building or the pedestrian entrance of a parking facility by proximity identification</li> </ol> <p>Key fob for driver identification Window button for vehicle identification</p> <p>Both transponders are packed in a box and programmed with the same unique number.</p>