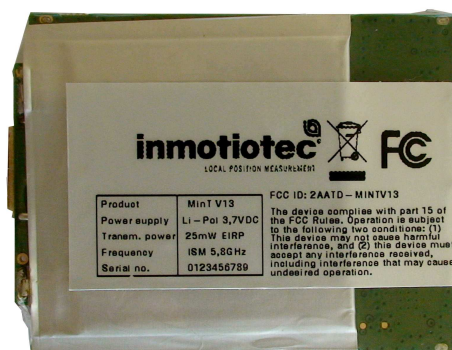


# User manual Minitransponder LPM Min T13



Minitransponder LPM Min T13	
power supply:	Lithium-Ion Akku: 1200mAh, 3,7VDC
runtime:	Appr. 8 Stunden
transmission power:	25mW EIRP
transmission frequency:	5,725 – 5,875 GHz, licence free ISM
dimension:	57 x 43 x 7 mm (L x B x D)
weight:	25 g
data channel:	4 Byte/Messzyklus
type of protection:	IP40
antennas:	integrated patch antenna: 120°h / 90°v / 3 dBi

The transponder listens on the frequency 5749,27 MHz whether he is triggered or not (2-FSK, 333 KHz, 66-bit, 16-Bit payload). As soon as he recognizes the ID, the transponder switches from Receiving to Sending and the transponder begins to afford a chirp (5730 – 5865 MHz). After that, the telemetry value will be transmitted via 2-FSK (2-FSK, 327 KHz, 52 Bit, 32-Bit payload). The required frequencies are being generated with a DDS (app. 14 MHz), a PLL (multiplier 406) and the VCO to the 5,8 GHz.

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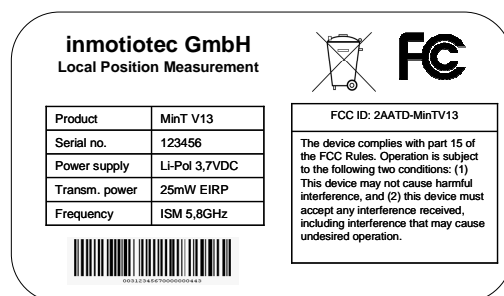
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The transponder is used by the user or operator and can be used in sports or entertainment. The transponder can also be used for tracking vehicles or animals. The transponder communicates up to 1.000 measurements per second with the base stations and has a weight of approximately 25 gram.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.



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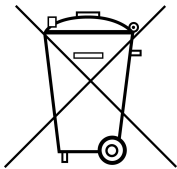
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## Disposal and recycling information

The transponder must be disposed of properly according to local laws and regulations. Because it contains a battery, the transponder must be disposed of separately from household waste. When your transponder reaches its end of life, contact Inmotiotec.

### Battery replacement:

The lithium-ion battery in your transponder should be replaced only by Inmotiotec and must be recycled or disposed of separately from household waste.



The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

### Support:

**Telefon: 0043 7672 27720 – 0**

**Web: <http://www.abatec-ag.com/inmotiotec-rtls/>**

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