*https://wiki.teltonika-gps.com/view/TST100_General_description*

# TST100 General description

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# Contents

TST100 GNSS GSM Bluetooth® tracker for Segway Ninebot ES4 .Sophisticated solution for electric kick scooter sharing platforms.

# Package contents

The TST100 device is supplied to the customer in a cardboard box containing all the equipment that is necessary for operation. The package contains:

- TST100 device ;
- Power supply and communication cable with a 1x5 connection pins, which is already installed into device.
- TST holder with SS zip tie ;

# Basic characteristics

GSM / GPRS / GNSS features:

- Teltonika TM2500 quad band module (GSM 850 / 900 / 1800 / 1900 MHz);
- GPRS Multi-Slot class 12 (up to 85.6 kbps);
- SMS (text, data);
- Integrated GNSS receiver;
- Up to -165 dBm GNSS receiver sensitivity.

Hardware features:

- Built-in movement sensor;
- Built-in Blue-tooth 4.0;
- Internal High Gain GNSS antenna;
- Internal High Gain GSM antenna;
- 128 MB Flash (422 400 Records).

Interface features:

- Power supply: +8... +50 V;
- RX ;

- TX;
- Power control wire;
- 2 LEDs indicating device status.

Special features:

- Fast position fix;
- Quality track even in high density urban canyon;
- Ready for harsh environment;
- Easy to mount;
- Firmly fasten;
- 2 LED status indication;
- Real time tracking;
- Smart data acquisition based on:
    - Time;
    - Speed;
    - Angle;
    - Distance;
- I/O event;
- Sending acquired data via GPRS;
- GPRS and SMS I/O events;
- Jamming detection;
- Configurable using Secured SMS Commands;
- Overvoltage protection;

| Description | Voltage | Duration |
|---|---|---|
| Normal operation | +8...+50 V | Unlimited |
| Protection turns on, device turns off | +50V | Unlimited |
| Maximum voltage | <50 V | Unlimited |
| Maximum voltage impulse | 120 V | 10 ms |

# Technical features

| Part name | Physical Specification |
|---|---|
| Navigation indication | LED |
| Modem indication | LED |
| USB | Mini USB socket |
| GNSS | Internal GNSS antenna |
| GSM | Internal GSM antenna |

Dimension drawing:

72,5

73

59,5

31,8

31,8

17,5

27,3

Navigate LED

Status LED

Navigate Status