

# TotalTracker cable version

COMPACT GPS TRACKING DEVICE FOR LONG-TERM MONITORING WITH CABLE CHARGING AND SIMPLE MAGNETIC INSTALLATION

## USAGE AND CHARACTERISTICS

- » For tracking and security of trailers, semi-trailers, machinery construction equipment and locomotives
- » Localization and tracking at preselected time interval
- » Monitoring of temperature, tilting, altitude
- » Vibration and shock detection using G-sensor
- » Easy installation by extremely strong magnets
- » Option of fixed installation
- » Charging by cable
- » Battery life up to 2 years (2 positions per day)

## MEASURES AND TRANSMITS

- » Exact position according to GNSS satellite system
- » Approximate position from BTS
- » Online tracking of speed and direction of movement
- » Temperature, altitude
- » Tilt + removal detection
- » Battery status
- » G-shock alert



## TYPES AVAILABLE\*

TYPE	GSM	BATTERY	CHARGING
<b>TT 100 252</b>	2G	7 800 mAh	5 wire cable
<b>TT 100 052</b>	2G / 4G / NB-IoT / LTE Cat M1	7 800 mAh	5 wire cable

\*for customized solutions please feel free to contact us

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### TECHNICAL PARAMETERS

<b>GSM</b>	version 2G	850/900/1800/1900 MHz	
	version 4G NB-IoT	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85	
	version 4G LTE Cat M1	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85	
	SIM	Nano Sim, Plug-in 1.8 V	
		SIM Chip	
	Types of communication	Ringing, SMS, GSM Data, GPRS	
	Calls	Alarm call	
	SMS	Alarm&Info SMS; SMS commands, requests, SMS configuration	
GPRS internet connectivity	Class 12/static & dynamic IP VPN, UDP protocol / 128bit security encryption key / FW upgrade, configuration settings, on-line value reading, report memory reading, control		
<b>GNSS</b>	GPS and Glonass	66 satellites	
<b>ANTENNAS</b>	GPS and GSM	Internal	
<b>BATTERIES</b>	Type and Capacity	Li-Ion 7 800 mAh rechargeable	
<b>CONSUMPTION</b>	Standby	4 mAh continuously 24 hours per day	
	Sending of GPS position to server	1 mAh single shot	
	Self-discharge of battery	5 mAh continuously (temp. 15 °C – 25 °C)	
<b>INPUTS</b>	Charging by cable	Charging 8-35 V / max. 1 A@8 V	
	1-wire Dallas	For connection of thermometers, chip readers	
	Analog	Analog value 0-30 V	
	Binary	Binary value (log0 = 0-4 V, Log 1 = 5 – 30 V) / Output 200mA	
<b>SENSORS</b>	3 dimensions G sensor	Movement detection / tilt detection / G-shock	
	Other sensors	Temperature	
<b>INTERNAL MEMORY</b>	Flash 512 kB	Capacity 5 000 events or GPS positions	
<b>DIMENSIONS</b>	Plastic box	120 x 80 x 24 mm	
<b>TEMPERATURE RANGE</b>	Li-Ion rechargeable batteries	-25 °C up to +70 °C, charging +5 °C up to +35 °C	
<b>PROTECTION CLASS</b>	IP66	Waterproof	
<b>WEIGHT</b>	With batteries	220 g	
<b>STANDARDS</b>	EMC	EN 50121-3-2 ed.4   EN 61000-6-4:2007+A1:2011   EN 55032:2015   EN 55024:2010	
	LVD	EN 62368-1:2014+A11:2017	
	Climatic testing	EN 50155   EN 60068-2-2   EN 60068-2-1 ed.2   EN 60068-2-30 ed. 2	
	Shock and vibration	EN 61373 ed. 2	
	IP code	EN 60529	