

TotalTracker

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

USAGE AND CHARACTERISTICS

- » For tracking and security of trailers, caravans, machinery and construction equipment.
Also suitable as an independent GPS unit for the tracking and security of vehicles or motorcycles.
- » Localization and tracking at preselected time interval
- » Monitoring of temperature, acceleration, vibrations, tilting
- » G-shock detection
- » Monitoring of analog input values
- » Monitoring of binary input state - on/off
- » Easy installation by extremely strong magnets
- » Option of fixed installation
- » Charging by cable / USB
- » Battery life up to 24 months (4 positions per day)



MEASURES AND TRANSMITS

- » Exact position of GPS satellite system
- » GSM cell ID and strength of GSM signal
- » Speed and direction of movement
- » Temperature, air pressure, humidity, altitude
- » Tilting – removal detection
- » Battery voltage and status
- » G-shock alert
- » Analogue input voltage
- » Binary input status
- » Vibration histogram and vibration frequency analysis



TYPES AVAILABLE*

TYPE	GSM	BATTERY	CHARGING
TT 100 202	2G	7 800 mAh	USB-C
TT 100 002	4G NB IoT / 2G / LTE	7 800 mAh	USB-C
TT 100 252	2G	7 800 mAh	5 wire cable
TT 100 052	4G NB IoT / 2G / LTE	7 800 mAh	5 wire cable

*for customized solutions please feel free to contact us

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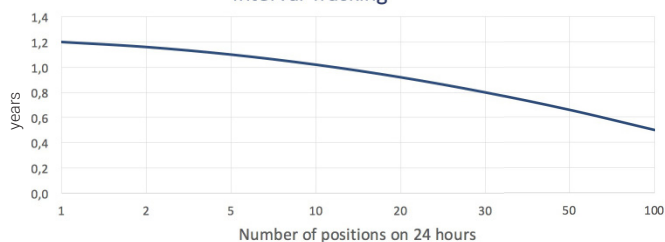
TECHNICAL PARAMETERS

GSM	version 2G	850/900/1800/1900 MHz
	version 4G NB-IoT	B1@2100MHz, B3@1800MHz, B8@900MHz, B5@850MHz, B20@800MHz, B28@700 MHz
	version 4G LTE NB-IoT EGPRS	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B39 - for Cat M1 only @LTE 850/900/1800/1900 @EGPRS
	SIM	Micro Sim, Plug -in 1.8 V
	Types of communication	Calling, 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
GNSS	GPS and Glonass	66 satellites
ANTENNAS	GPS and GSM	Internal
BATTERIES	Type and Capacity	Li-Ion 7 800 mAh rechargeable
CONSUMPTION	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)
INPUTS	Charging by cable*	Charging 8-35 V / max. 1 A@8 V
	USB-C**	USB charger 2A - see accessories
	Analog*	Analog value 0-30 V
	Binary*	Binary value (log0 = 0-4 V, Log 1 = 5 – 30 V)
SENSORS	3 dimensions G sensor	Movement detection / tilt detection / vibration histogram / G-shock
	Other sensors	Temperature / humidity / air pressure
INTERNAL MEMORY	Flash 512 kB	Capacity 5 000 events or GPS positions
DIMENSIONS	Plastic box	120 x 80 x 24 mm
TEMPERATURE RANGE	Li-Ion rechargeable batteries	-25 °C up to +70 °C, charging +5 °C up to +35 °C
PROTECTION CLASS	IP66	Waterproof
WEIGHT	With batteries	220 g
STANDARDS	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

* For fixed installation models (with cable) ** For types with USB charging

BATTERY LIFE FOR PRESELECTED TRACKING MODE

Interval Tracking



Continuous Tracking



Expected conditions: > GPS and GSM signals have no significant obstacles
> Temperature in range from 15°C up to 25°C

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