

TotalTracker

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Compact GPS tracking device for long-term monitoring, USB or cable charging options and simple magnetic installation.



■ Usage and characteristics

- For the 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 screw fixed installation
- Charging by USB or cable
- Battery life up to 24 months

■ 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 analyzes

■ Types available

TYPE	GSM	BATTERY	CHARGING	INPUT
GC 095 243	2G	7 800 mAh	USB	x
GC 095 253	2G	7 800 mAh	cable	1x analog / 1x binary
GC 095 043	2G / 3G	7 800 mAh	USB	x
GC 095 053	2G / 3G	7 800 mAh	cable	1x analog / 1x binary

■ Accessories

SA 092 000	USB charger 2A (including cable)
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Technical parameters

GSM	QuadBand 2G – 3G	850/900/1800/1900 MHz – 850/900/1800/1900/2100 MHz
	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 a Glonass	66 satellites
Antenas	GPS and GSM	Internal
Batteries	Type and capacity	Lilon 7 800 mAh rechargeable
Consumption	Standby	0.2 mAh continuously 24 hours per day
	Sending of GPS position to server	0.6 mAh single shot
	Self-discharge of battery	0.6 mAh continuously (temp. 15°C - 25°C)
Inputs	Charging by cable*	Charging 8-35 V / max. 1 A@8 V
	USB Micro**	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
RF sensor interface	2,4 GHz	Temperature, humidity, G-shock, magnetic, light
Internal memory	Flash 512 kB	Capacity 5000 events or GPS positions
Dimensions	Plastic box	120 x 80 x 24 mm
Temperature range	Lilon rechargeable batteries	-25 °C up to +70 °C, charging 0 °C up to +70 °C
Protection class	IP65	Waterproof
Weight	With batteries	220 g

* For types with cable only

** For types with USB charging

Battery life for preselected tracking mode



Expected conditions:

- GPS a GSM signals have no significant obstacles
- Temperature in range from 15 °C up to 25 °C