

TotalFinder

GC092

Universal monitoring unit for long-term monitoring with an extremely long lasting battery and easy installation by strong magnets.



Usage and characteristics

For the monitoring and tracking of railway wagons, containers, machinery and construction equipment, trailers and caravans. Also suitable as an independent GPS unit for tracking and security of vehicles.

- Location and tracking at preselected time intervals
- Monitoring of temperature, air pressure, humidity, acceleration, vibration and tilting
- G-shock detection
- Easy installation by extremely strong magnets
- Special holder for secure installation available
- Charging by USB
- Battery life up to 6 years

Measures and transmits

- Exact position of GPS and Glonass satellite systems
- GSM cell ID and signal strength
- Speed and direction of movement
- Temperature, air pressure, humidity, acceleration, tilting
- Vibration histogram
- Battery voltage and status

Types available

TYPE	GSM	BATTERY & CHARGING	GPS & GSM ANTENNAS
GC 092 042	2G / 3G	Rechargeable 15 600 mAh by USB	Internal
GC 092 232	2G	Rechargeable 15 600 mAh by USB	External
GC 092 242	2G	Rechargeable 15 600 mAh by USB	Internal
GC 092 245	2G	Non rechargeable 21 000 mAh	Internal
GC 092 246	2G	Rechargeable 21 600 mAh by USB	Internal
GC 092 26A*	2G	Rechargeable 11 200 mAh by induction	Internal

* ATEX certification: EX II 2G Ex ib IIA T4 Gb

Accessories

MD 092 000	Robust metal holder for secure fixing (protected by patent)
MD 092 001	Special tool for releasing the unit from holder
SA 092 000	USB charger 2A (including cable)



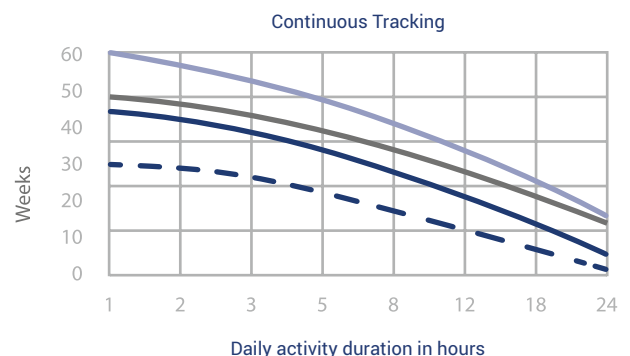
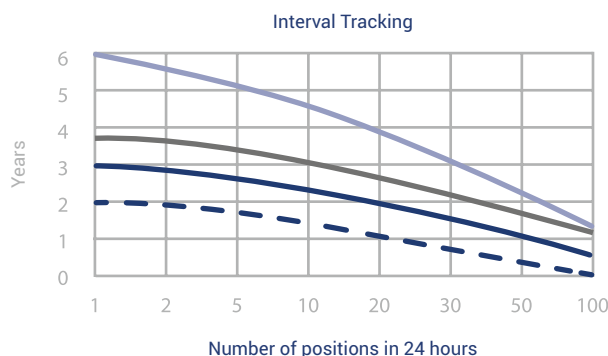
Accessories MD 092 000



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 or external antennas	
Batteries	Type and capacity	Lilon 15 600 mAh rechargeable	LiSoc 21 000 mAh non rechargeable
		Lilon 11 200 mAh rechargeable	Lilon 21 600 mAh rechargeable
Consumption	Standby	0.2 mAh continuously	
	Sending of GPS position to server	0.6 mAh single shot	
	Self-discharge of battery	0.6 mAh continuously*	
Inputs	USB Micro	Charging /report memory reading/ configuration/FW upgrade ~ sealed optionally	
Sensors	3 dimensional G sensor	Movement detection / tilt detection / vibration histogram / G-shock	
	Other sensors	Temperature, humidity, air pressure	
Internal memory	Flash 512 kB	Capacity 5000 events or positions	
Dimensions	Plastic box	177 x 85 x 25 mm	
Temperature range	Lilon rechargeable batteries	-25 °C up to +70 °C, charging 0 °C up to +70 °C	
	LiSoc non rechargeable batteries	-35 °C up to +85 °C	
Protection class	IP65	Waterproof	
Weight	With batteries	550 g	

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

- Non rechargeable battery
- Rechargeable battery 15 600 mAh
- Rechargeable battery 21 600 mAh
- Rechargeable battery 11 200 mAh