

TotalFinder Solar

LEVEL[®]
SYSTEMS

DIREKTRONIK

Dataprodukter utöver det vanliga

GC092x72

Universal monitoring unit for long-term monitoring with a long lasting battery, solar charging and easy installation by strong magnet.



■ 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 built-in photovoltaic panels or internal USB

■ 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	GPS & GSM ANTENNAS
GC 092 072	2G / 3G	Rechargeable 15 600 mAh	Internal
GC 093 272	2G	Rechargeable 15 600 mAh	Internal

■ 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)



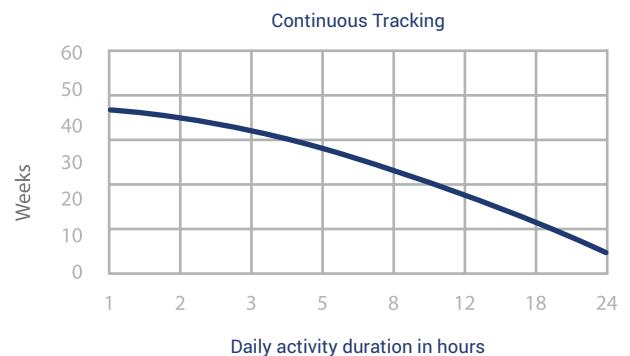
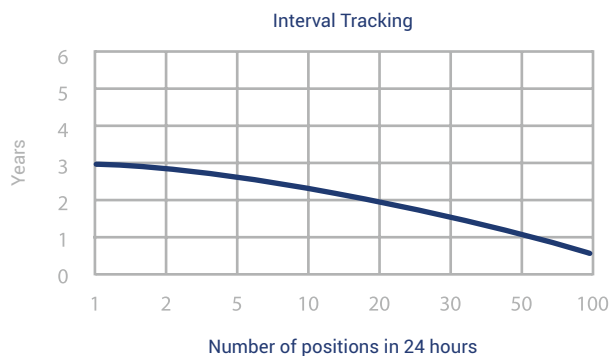
Accessories MD 092 000



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
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 internal	Charging /report memory reading/ configuration/FW upgrade
Sensors	3 dimensional G sensor	Movement detection / tilt detection / vibration histogram / G-shock
	Other sensors	Temperature, humidity, air pressure
Photovoltaic panels	max current 2 x 80mA	When sunshine it charges 1,5 % every hour / when cloudy 0,2 % every hour
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
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

— Rechargeable battery 15 600 mAh