

# trexee ))) L

UNIVERSAL GPS UNIT FOR LONG-TERM MONITORING WITH EXTREME BATTERY LIFE AND WITH EASY AND SECURE INSTALLATION USING 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.

- › Localization 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 localization
- › Speed and direction of movement
- › Temperature, air pressure, humidity, acceleration, tilting
- › Vibration pattern measurement
- › Battery voltage and status
- › Firmware and settings update via OTA
- › API and Webhook available
- › Aircraft configuration available



## TYPES AVAILABLE

TYPE	GSM	BATTERY	GPS & GSM ANTENNAS
GC 092 042	2G / 3G	Rechargeable 15 600 mAh	Internal
GC 092 232	2G	Rechargeable 15 600 mAh	External
GC 092 242	2G	Rechargeable 15 600 mAh	Internal
GC 092 244	2G	Rechargeable 21 600 mAh	Internal
GC 092 245	2G	Non rechargeable 21 000 mAh	Internal

## ACCESSORIES

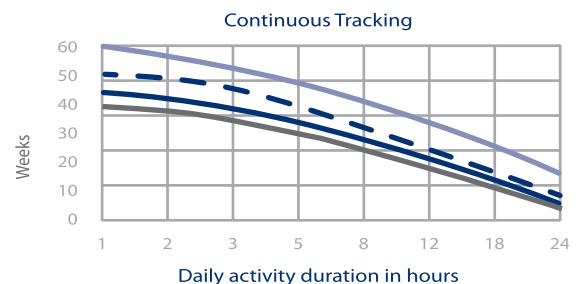
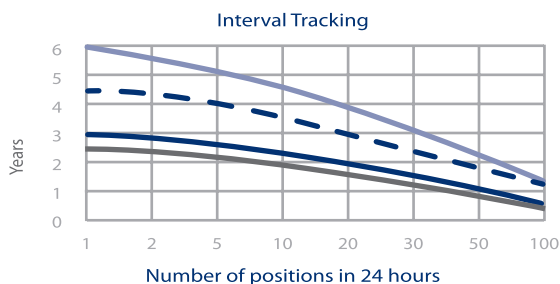
MD 092 000	Robust metal holder for secure fixing (protected by patent)
MD 092 001	Special tool for releasing the unit from holder
SA 092 000	USB charger 2A (including cable)

## TECHNICAL PARAMETERS

<b>GSM</b>	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	
<b>GNSS</b>	GPS a Glonass	66 satellites	
<b>ANTENNAS</b>	GPS and GSM	Internal or external antennas	
<b>BATTERIES</b>	Type and capacity	Lilon 15 600 mAh rechargeable	LiSoc 21 000 mAh non rechargeable
		LiIon 21 000 mAh rechargeable	LiIon 13 000 mAh rechargeable
<b>CONSUMPTION</b>	Standby	0.2 mAh continuously	
	Sending of GPS position to server	0.6 mAh single shot	
	Self-discharge of battery	0.6 mAh continuously	0.02 mAh continuously
<b>INPUTS</b>	USB Micro	Charging * /report memory reading/ configuration/FW upgrade ~ sealed optionally	
<b>SENSORS</b>	3 dimensions G sensor	Movement detection / tilt detection / vibration histogram / G-shock	
	Other sensors	Temperature, humidity, air pressure	
<b>INTERNAL MEMORY</b>	Flash 512 kB	Min. capacity 5000 events or positions	
<b>DIMENSIONS</b>	Plastic box	177 x 85 x 25 mm	
<b>TEMPERATURE RANGE</b>	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	
<b>PROTECTION CLASS</b>	IP65	Waterproof	
<b>WEIGHT</b>	With batteries	550 g	
<b>CERTIFICATIONS</b>	CE	EMC	
	ATEX	ATEX EX II 3G Ex ic IIA T4 Gc	

\* For types with rechargeable LiIon battery only

## 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 13 000 mAh  
- - Rechargeable battery 21 600 mAh

ASSET	INTERVAL	KM	MONTHS
Rail Car	1 x 10 min	up to 60 000	20 - 26
Waste Container	1 x 12 hod	up to 3 548	28
Trailer	1 x 10 min	up to 100 000	12 - 14