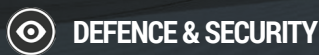


TiGR™ TG-501/550

- Covert RF GPS tracker
- Integrated RF and GPS antennas
- Long mission life with internal batteries
- Communication infrastructure not required



When rapid deployment is needed.

Introducing the next generation of the TiGR™ covert family of products – the TG-501 and TG-550 RF GPS tracking system. With an all-in-one design that focuses on simplicity, superior reliability, and battery life that is not dependent on any communication infrastructure. The system is a point-to-point RF connection that is easily programmed and tested followed by hasty deployment in the field with very little training. When using the system there is no recurring monthly cost to operate.

The tracking system consists of two components; the TG-501, which is the all in one GPS tracking device and the TG-550, which is the remote download box used to retrieve the critical GPS data from the TG-501 using RF technology. The RF system operates on the 915MHz radio spectrum, allowing the operator to approach the target to capture the data, make mission changes, or test the installation using the TG-550 download box. The TG-550 download box incorporates an intuitive touch screen design which connects via USB to your computer with installed Target Track™ software to upload the data for analysis.



TiGR™ TG-501/550

TECHNICAL SPECIFICATIONS

PHYSICAL

Field unit	0.930" H x 1.675" W x 2.425" L
Remote download box	1.06" H x 3.00" W x 5.32" L
Material	Black-anodized 7075 aircraft aluminum with ABS plastic antenna top cover

MEMORY

Non-volatile flash memory with storage of 1 million records

POWER

Sleep	120uW (20uA @ 6V)
GPS acquisition	120mW (20mA @ 6V)
GPS tracking	85mW (15mA @ 6V)
Test mode operating	250mW (42mA @ 6V)
Download operating	1800mW (300mA @ 6V)

POWER SUPPLY

TG-501	6.0VDC nominally Two CR123A cells
TG-550	Four alkaline or lithium AA cells

RANGE

Line of Sight (LOS) communication, 17km/10mi (min) depending on the environment. Minimum 100m/300ft in urban settings, may vary with obstructions

CONNECTIONS

Allows direct connection via micro USB to both the TG-501 field device and TG-550 download box put (2)

RF MODEM

Semtech SX 1276 RF Modem , 915MHz spread spectrum, forward error corrected RF link always listening

GPS RECEIVER

Telit Jupiter SE880 48 Channel GPS Module

GPS FIX INTERVAL

7 configurable fix intervals (2 seconds, 10 seconds, 30 seconds, 1 minute (default), 5 minutes, 1 hour, 1 day)

ENVIRONMENTAL

Operating temperature	-30°C to +70°C (-22°F to +158°F)
Waterproof	IP-67 tested to 1m submergence

TG-550 DOWNLOAD BOX

- Touchscreen design
- Blind button guide
- Embedded RF antenna
- Brightness, lock screen, and vibration control

ESTIMATED MISSION LIFE

60 second fix interval (one download per day)



*Based on two hours of driving time per day
**Battery life calculator available on metocean.com/MDS



metOcean
telematics

21 Thornhill Drive, Dartmouth, Nova Scotia B3B 1R9 CANADA
Tel: +1 902 468-2505 | Email: sales@metocean.com

metocean.com