

# FindMyStuff

by SPECTRADOME

## T-MINI



### The smallest GPS tracking logger currently available on the market!

The T-MINI is probably the smallest GPS tracking logger currently available on the market for non-military applications. This miniature GPS recorder and tracker measures 1.9"x0.7"x0.6" - 4,69x1,81x1,49cm and weighs 0.44 oz only *including battery* and allows truly unparalleled performance considering this little wonder is half your index finger long.

The T-MINI is a passive GPS tracker: this means that it cannot be detected by virtually any bud detector or countermeasure device and must be retrieved after use in order to allow GPS data download and verification.

Its very peculiar features and characteristics make it suitable for very special tracking needs and applications: from dove to small animal tracking to sensitive shadowing and tactical operations.

Specifically designed to allow maximum concealment, this miniature GPS tracker is definitely recommended when discretion is paramount: thanks to its unobtrusive weight and dimensions, it can be hidden virtually everywhere, easily body-worn and even sewed in between folds in a garment!

Operation is extremely easy, thanks to a very simple and clear user manual, where indication on how to download, display and store the previously recorded GPS data is given. The GPS data download utility is very user friendly and totally compatible with GOOGLE EARTH mapping software: only a few clicks on your mouse will be needed, thanks to the seamless interaction between the two provided software applications.

Technical specifications for our T-MINI GPS logger are as follows:

Features	Feature description
Operating frequency	GPS L1 band, 1575.42Mhz, 51 independent tracking channels
Sensitivity	-146dBm
GPS datum refresh rate	1 Hz
GPS start-up time	36 seconds cold start, 33 seconds acquiring, 1 second hot start
GPS re-fix time	<1 secondo
Dynamic operational data (maximum values)	Altitude: 54.000ft -: 18.000 mts Speed: 1545ft 515 mt per second Vibration: 4G
Power supply	5 VDC
Power consumption	recording: <60mA power saving mode: <0,5mA tracking: 30mA
NMEA standards	NMEA0183, default 115200bps Output: GGA,GSA,GSV,RMC Log: RMC
GPS datum	WGS-84
Serial interface	TTL 2,8V
Weight	0,44oz - 12,4 gr
Dimensions	1.9"x0.7"x0.6" - 4,69x1,81x1,49cm
Battery type and capacity	LI-ION, 170mA
Operating time	5-6 hours to 14-20 days, depending on operational mode settings and GPS signal quality
Operating temperature	0-55°C
Storage temperature	0-55°C
Humidity	<=95%, non-condensing
Accessories	USB cable and battery charger

This very compact GPS logger features a latest-generation GPS antenna that proved to be so sensitive to allow GPS data recording and tracking even when our target was walking *indoors* at the city mall!

The following picture actually shows GPS data recording of a test track with GPS recording settings of one position record per second (this is the highest/most frequent recording rate the T-MINI allows): as you can notice, the T-MINI takes care of all the calculations and conversions when displaying data on GOOGLE EARTH mapping software. The start of our test track is clearly highlighted by the word “First” (to which we added “START” for better clarity) just as well as the end of the test track is clearly marked by the word “Last” (to which we added “STOP” for better clarity).

The most astounding performance regarding this GPS tracker, however, concerns the embedded ultra-miniature GPS antenna: this test track was obtained downloading recorder GPS data from the T-MINI after a 15-minute walk of a subject wearing the GPS logger on himself. If you take a careful and close look at the picture, you will realize the GPS track is 100% continuous and does not stop when the subject wearing the GPS tracker enters the shopping mall and roams inside!!

To our greatest surprise, the T-MINI was able to allow seamless GPS data recording indoors, without the need to rely on any other device to do that!

Indoor tracking waypoints have been highlighted in the picture by a multiple reference to the word “Indoor Tracking”.

