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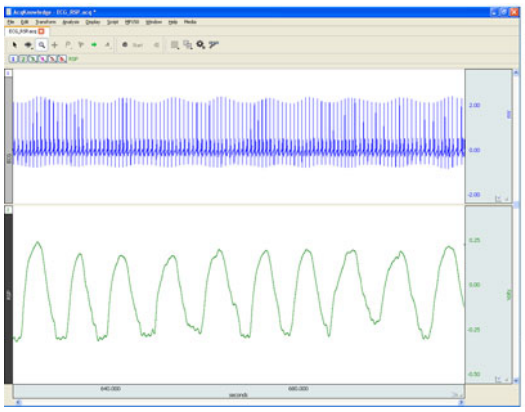
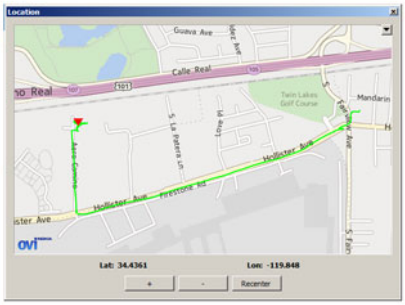
GPSTRACK-A GPS TRACKER FOR ACQ*KNOWLEDGE*





Use this portable GPS tracking device with Acq*Knowledge* to import and synchronize a subject's physical location with experiment data. Includes a USB micro SD card reader for easy interface with Acq*Knowledge*.

- Record GPS data for a moving subject in a wide area
- GPS Location for correlating physical location with physiological data
- Operating time ~24 hours ... built-in high-capacity Li-polymer battery
- Includes USB microSD reader, car charger, USB cable, carrying strap, protective case, documentation
- Use Acq*Knowledge* to import and synchronize a subject's physical location with physiological data from the BioNomadix Logger or BioHarness
- Compatible with the Location Palette in Acq*Knowledge* 4.4

Specifications

Product Specification:

Dimension: 43(L)x74(W)x9.9(H)mm
Weight: 55g
Volume: 32cc
Chipset: MTKII Super single chip
Channels: 66-channel all-in-view tracking
Frequency: 1575.42Mhz(L1, C/A code), built-in WAAS / EGNOS / MSAS Demodulator
Sensitivity: better than -165dBm
Fix Capability: 2D fix of 3 satellites, 3D of 4 satellites
Antenna Type: Built-in active antenna

Protocol:

NMEA Protocol Output: Ver 3.01
Baud Rate: 38,400 bps
Datum: WGS84
Update Frequency: 1 Hz (Default)
Data Bit: 8 Parity: N Stop bit: 1
Output Format: $GGA, $GSA, $RMC, $GSV

Logging Data:

Original Format: CSV file
Export Format: KMZ, GPX, NMEA, LOG
Standard Mode: Date, time, Latitude, Longitude, Altitude, Speed, Heading, and Voice.
Professional Mode: Date, Time, Latitude, Longitude, Altitude, Speed, Heading, Fix Mode, PDOP, HDOP, VDOP and Voice.

Voice Record Data:

Format: WAV
Rate: 48 kbps
Length Limit: no limited

Storage Card:

Type: MicroSD / T-Flash
Capacity: 64M, 128M, 256M, 512M, 1G, 2G, 4G (Voice recording requires capacity above 512M)
Format: FAT (FAT16) files system

packing list:

- Multifunction GPS Data Logger Main Unit
- AC Adaptor* (Input: 110-250V)
- Car Charger (Input: 12V)
- Charging Cable (Support Auto ON/OFF Function 2 meters)
- Protective Case
- Carrying Strap
- USB MicroSD Reader*
- User Manual*
- Software CD*
- Warranty Card

* Optional Accessories, differences according to the different sales regions or version.

Time to First Fix:

Acquisition time (Averaged*1):
Reacquisition: <1 second
Hot Start: 1 second
Warm Start: 32 seconds
Cold Start: 35 seconds

Accuracy:

Non DGPS (Differential GPS):
3.0m/CEP(50%) 5.0m/CEP(95%)
With DGPS corrected (EGNOS / WAAS):
1.5m/CEP(30-50%) 2.5m/CEP(95%)
(with EPS2 technology)

Dynamic Condition:

Altitude Limit: 18,000 meters (60,000 feet) max
Velocity Limit: 515 meters/sec (1,000 knots) max
Acceleration Limit: 4G max
Jerk Limit: 20 m/sec
Minimal Data Resolution: 0.000001 degree (Latitude, Longitude); 0.1km/h (Velocity); 0.1 Degree (Direction); 0.1m (Altitude)
Data Format (Latitude, Longitude): dd.dddddd (degree)

USB MicroSD Reader (optional):

Type: MicroSD / T-Flash, support SDHC
USB Type: USB 2.0

Power Supplies:

● Main Unit: Built-in rechargeable Lithium polymer battery with capacity (1000mAh)
The duration of V-900's built-in battery is dependent on your selected operating mode. The battery duration at different operating modes is as follows*2:
Navigation & Track Log Mode: 14 - 16 hours
Navigation Mode: 15 - 17 hours
Track Log Mode: 22 - 24 hours
Spy Mode: 15 - 30 days

● AC Adapter (optional):
Model: V-30AC
Input: AC100-240V, 50-60HZ, 11VA
Output: DC 5.0V, 600mA

● Car Charger:
Model: V-10DC
Input: DC 12V
Output: DC 5.0V, 1000mA

Operation:

Operation Temperature: -10oC to + 50oC
Store Temperature: -20oC to + 60oC
Operation Humidity: 5% to 95% (No condensing)

*1 The test environment shall be a place in open sky.
*2 Duration time is subject to the environment of use, operating mode, positioning status, and data format.

We reserve the right to make changes and improvements to any of the products described in this document without prior notice.