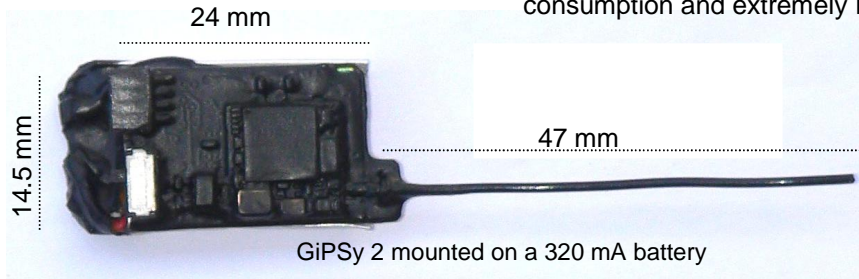




TechnoSmart

GPS TRACKING SYSTEMS FOR ANIMALS

GiPSy 2



GiPSy 2 is our latest GPS datalogger which uses a highly integrated, low-power GPS engine based on SiRFstarIII-GSC3f-architecture with 20 parallel channels.

GiPSy 2 has exceptional sensitivity, low power consumption and extremely Fast Ttime to First Fix (TTFF)

General:

- GPS module based on SiRFstarIII-GSC3LTf chip
- High sensitivity for indoor fixes
- 200.000+ effective correlators
- Integrated TCXO
- 12-20 channels
- On chip 4 Mb FLASH + 8Mb ROM for data storage
- ARM7 baseband CPU
- Extremely fast TTFF
 - hot start < 1 sec
 - warm start < 35 sec
 - cold start < 35 sec
- Sensitivity
 - autonomous acquisition -142 dBm
 - GSM / UMTS c time aided -155 dBm
 - CDMA precise time aided -155 dBm
 - tracking -159 dBm, indoor -158 dBm
- Position accuracy
 - autonomous < 2,5 m
 - SBAS < 2,0 m

Technical data

Volume: 24 x 14.5 x 4 (mm)
Weight: 1.8 grams without battery
Battery (smallest): 200 mA, 2.5 g
Ultra low power consumption:
27 mAh in full power mode
0.5-13 mAh in power saving modes

Mode time intervals:

Adjustable intervals for recording positions,
Min: 1 Hz position update rate
Max: no limit

GPS Datum:

WGS-84,
data directly visible on Google Earth

Communication with pc and data format:

GiPSy software for downloading data, erasing memory, programming recording intervals;
data are saved in three formats:

.nme : NMEA format
.bin : binary format
.txt : text format

Delivery content: *GiPSy 2* mounted on a rechargeable 320 mAh battery. USB interface cable for communication with pc (to download data and erase the flash memory) including inverted connector (for changing the recording settings). Battery charger that can be operated either at 230 volts / 50 Hz or at 12 V DC. Operating Manual in English. CD with *GiPSy* software and drivers.

Optional accessories: *GiPSY2* is delivered with a wire antenna, however, it is possible to have other antenna types: passive ceramic antenna (4 g); active ceramic antenna (8 g); passive strip antenna (0.2 g). Rechargeable batteries of various sizes: 100, 145, 200, 700, 1200, 3000 mA and larger. Also, non rechargeable batteries of 2400 and 3600 mA and battery packs. Custom cases and tools for encasing the units for use in marine and harsh environments and according with the species specific needs.