



Nano GPS D.I.Y. Backpacks

Premium GPS solutions with 7/365 customer support

From pre to post-sale, our team provides solutions
to your challenges in a timely manner

**Handcrafted GPS Devices
Starting at 5 grams**

Building small, lightweight products
incorporating the best technology
and battery life is our specialty.



Telemetry Solutions

Email: sales@telemetrysolutions.com

Phone: +1(925)798-1942

www.telemetrysolutions.com



Nano GPS D.I.Y. Backpack

The Nano GPS D.I.Y. backpack data loggers kits rely upon the user for assembly and testing. Telemetry Solutions provides the assembly knowledge and hardware, you provide the labor. The benefit to you is lower per unit cost.

Technical features

The Nano series data loggers utilize the world's smallest fully integrated, highly sensitive GNSS module. They also include a long range radio transceiver for communication (data transfer) to a data collection transceiver at distances as great as 12 kilometers. The other transceiver can be hand held, stationary, airborne in a drone or piloted aircraft or carried on the back of another animal in the form of a GPS backpack. The data logger can be equipped with a VHF radio transmitter upon request. Minimum operational temperature varies with battery technology, either -40°C or -15°C.

Also includes:

- Temperature sensor
- 3-axis accelerometer
- Gyro meter
- Blue Tooth
- On/off switch

Battery Life Information

| Minimum Weight (grams) | Appropriate Dimensions (mm) | Number of GPS per day | Estimated Battery Life (days) |
|------------------------|-----------------------------|-----------------------|-------------------------------|
| 5.0 | 28 x 14 x 8 | 2 | 36 |
| 6.5 | 36 x 14 x 8 | 2 | 54 |
| 8.5 | 36 x 14 x 11 | 2 | 90 |
| 10.0 | 34 x 22 x 10 | 2 | 104 |
| 11.5 | 44 x 19 x 10 | 2 | 159 |
| 16.0 | 27 x 16 x 20 | 2 | 255 |

* Battery life estimated assuming 20°C and GPS on time 60 seconds. GPS may be scheduled in any way, these are examples only. Minimum dimensions may not be reached with novice assembly.

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