



Nano GPS 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.



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Nano GPS Backpack

The lightweight Nano GPS backpack data loggers manufactured by Telemetry Solutions are sold worldwide. They are available in 12 standard configurations and numerous custom configurations to meet your wildlife tracking needs.

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 another 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