



Micro GPS Backpack

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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MICRO GPS BACKPACK

The lightweight, flexible Micro GPS backpack data loggers manufactured by Telemetry Solutions have been used in wildlife research all around the world. They are available in 9 standard configurations and numerous custom configurations to meet your wildlife tracking needs.

Technical features

The Micro series data loggers utilize the world's smallest fully integrated, highly sensitive GNSS module. They also include a short range radio transceiver for communication (data transfer) to another transceiver. The other transceiver can be hand held, stationary, airborne in a drone or a piloted aircraft. The GPS 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.

Options include

- Temperature sensor
- 3-axis accelerometer
- Blue Tooth
- On/off switch
- Always on GPS
- Light sensor output
- Smart GPS



Features S=Standard, O=Option

This product

	NANO	MICRO	SMALL	MEDIUM
Weight Range	5g-20g	6g-50g	20g-100g	130g-250g
Data Recovery Method	UHF Wireless	UHF Wireless	UHF Wireless	Satellite
Data Transfer Range	up to 20km	up to 50m	up to 20km	global
Drone Data Downloading	S	S	S	N/A
Base Station Battery Life	2 days	5 days	2 days	N/A
Base Station External Power	S	N/A	S	N/A
Change GPS Schedule in Field	S	S	S	S
Drop Off	N/A	O	O	O
VHF Transmitter	O	O	S	S
Smart GPS	S	S	S	S
Activity Logger	S	S	S	S
Factory Sealed	S	S	S	S
Best in Habitat Type	Open-Light	Any	Any	Any
GPS Precision Control	S	S	S	S
Rechargeable	O	O	O	O
Bluetooth	S	S	S	S
Temperature Sensor	S	S	S	S
Accelerometer	S	S	S	S
Light Sensor	N/A	O	N/A	N/A
Collar	S	S	S	S
Backpack	S	S	S	S
Implant	N/A	S	S	N/A
Custom Design	S	S	S	S
DIY Kits Available	S	S	N/A	N/A
Discount Price Eligible	S	S	S	S
Refurbishment Available	S	S	S	S
On-off switch	S	S	S	S

Battery Life Information

Minimum Weight (grams)	Approx. Dimensions (mm)	Number of GPS per day	Estimated Battery Life (days)
7.3	40 x 13 x 10	2	31
8.8	40 x 13 x 10	2	48
11	40 x 13 x 15	2	80
12	40 x 23 x 14	2	92
14	45 x 21 x 14	2	140
18	33 x 16 x 24	2	311
30	53 x 16 x 24	3	652
39	55 x 19 x 26	6	603
72	55 x 38 x 26	8	900

*Battery life estimated assuming 20°C and GPS on time 60 seconds. GPS may be scheduled in any way, these are examples only