



Nano GPS DIY Collar

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 DIY COLLAR

The lightweight Nano GPS D.I.Y. collar data loggers manufactured by Telemetry Solutions are sold worldwide. They rely upon our purpose built electronics and assembly techniques and your labor. You assemble and encapsulate them. The benefit is a 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 base station at distances as great as 12 kilometers. The base station can be hand held, stationary, airborne in a drone or piloted aircraft or carried on another animal in the form of a GPS collar. The data logger can be sold 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



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 | X | 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) |
|------------------------|-------------------------|-----------------------|-------------------------------|
| 6.5 | 28 x 14 x 12 | 2 | 36 |
| 8.0 | 36 x 14 x 12 | 2 | 54 |
| 10.0 | 36 x 14 x 12 | 2 | 90 |
| 11.0 | 34 x 22 x 15 | 2 | 104 |
| 13.0 | 44 x 19 x 15 | 2 | 159 |
| 16.0 | 27 x 18 x 22 | 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