

Terrestrial
GPS

GPS_3300 Series

Collars for Wildlife



Lotek's automatic tracking and monitoring systems provide position and other sensor data ideally suited to wildlife behaviour and habitat utilization studies.

Based on the proven design of our other GPS systems, the GPS_3300 Series includes the lightest remote tracking collar offered by Lotek to date. Weighing only 200 grams, GPS_3300SL is capable of collecting and storing up to 1700 data records. With just an extra 75 to 100g of added weight, the GPS_3300S has a larger battery enabling you to collect over 5000 records using extended memory. This significantly improves the efficiency and cost-effectiveness of any wildlife study.

The GPS_3300 Series is capable of tracking the fine-scale movements of individual animals through a

variety of habitats. Using collars with differential correction, you can obtain highly accurate position readings with an error of less than five metres. Furthermore, by taking advantage of our highly flexible scheduling option, your study can be customized to your particular research needs.

The result is a more accurate map of the travel paths and behaviour patterns of smaller animals than previously possible.

Lotek offers unlimited customer support and a full one year warranty on all of our equipment.



- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

Delivering innovative solutions for a sustainable future.

GPS_3300 Series

Specifications

	3300L	3300S	3300SL
Housing dimensions (mm) L x W x H	120 x 860 x 126	68 x 48 x 58	68 x 48 x 48
Approx. Weight (g) (with light duty belt)	870 grams	285 grams	200 grams
Estimated GPS battery life** 4 hr. fix schedule (6 fixes per day)	More than 3 years*	Approx. 528 days or 3,168 locations	Approx. 148 days or 888 locations
2 hr. fix schedule (average of 12 fixes per day)	Approx. 1,369 days or 16,428 locations	Approx. 332 days or 3,984 locations	Approx. 84 days or 1,008 locations
1 hr. fix schedule (24 fixes per day)	Approx. 786 days or 18,864 locations	Approx. 190 days or 4,560 locations	Approx. 45 days or 1,080 locations
Maximum # of fixes/battery pack (96 fixes per day or more) (15 minute fix schedule)	Approx. 221 days or 21,216 locations	Approx. 53 days or 5,088 locations	Approx. 12 days or 1,152 locations
VHF beacon life	> 2 years from deployment depending on schedule*		Minimum 4 months after last GPS fix
VHF frequency range	140 – 175 MHz		
Operating temperature range	-30°C to +50°C		
Data retention range	-50°C to +75°C		
Options	Extended Memory	Standard or Extended memory	
		Temperature Mortality Recovery Differential correction (basic or advanced) 2 axis activity head up/down indicator User Scheduler (basic or advanced) Drop off compatible	
User replaceable battery pack	Yes		
User programmable via cable with download link	GPS & Beacon Schedule & Mortality Delay		
User upload	GPS & Beacon Schedule & Mortality Delay		
User download	Data & diagnostics		
Data storage capacity assuming Replacement of battery packs			
Non-differential	89,936 locations		
Differential	44,968 locations		
Software Interface (includes host software & training video)	Windows 98® or higher		

* Please call Lotek for more information

** Battery life estimates are approximate and may vary due to variance in individual battery capacity as per manufacturer, as well as operating conditions including ambient temperature, landscape, species, etc. Standard memory allows a maximum of 2,190 fixes prior to data download. Extended memory allows the maximum # of fixes per battery pack.

