

GPS 7000 Series



Wildlife Collars with Remote Communication



- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems



Innovative solutions for a sustainable future.

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

GPS 7000 Series

Specifications

	7000MU	7000SU	7000SLU	7000SD
Backwards compatibility with 4400 family ¹	Please contact Lotek for more details			
Dimensions (L x W x H) (mm)	120 x 86 x 126	69 x 49 x 74		
Upper Housing			80 x 43 x 43	80 x 43 x 43
Battery			85 x 38 x 48	77 x 40 x 54
The collar contains	GPS receiver (16 channels) UHF radio modem VHF tracking beacon Mortality / Hibernation feature, Temperature, 2 axis activity GPS / VHF advanced scheduler Advanced differential correction Drop off compatibility Virtual Fence			
Handheld command unit	Function: To remotely command, control & interrogate GPS 7000 collars. Interfaces with PC; includes built-in GPS receiver, electronic compass & rechargeable battery.			
Total collar weight ³	Approx. 950g	Approx. 350-450g	Approx. 300g	Approx. 350g
Operational life/battery pack ² 6 months			Every 2 hours (2,112 locations)	Every 20 minutes
1 year	Every 20 min (17,520 locations)	Every 90 min (5,840 locations)		Every 70 minutes
2 years	Every 50 min (14,600 locations)	Every 6 h (3120 locations)		Every 3 hours
3 years	Every 1 h, 20 min. (13,140 locations)			
Data download speed	Non differential is 10 records/second (at 2400 baud rate) Differential is 3 records/second (at 2400 baud rate)			
User replaceable battery pack	3B57	3B50	3B59	3B67
User programmable Via cable with download link	GPS & Beacon Schedule / Mortality Delay / Time			
Field upload by radio	GPS & Beacon / Schedules / Time			
Remote download	Data & diagnostics			
Data link operating frequency	420-460 MHz			
Data modulation baud rate	2400 baud direct FM			
Approximate UHF range (Ground to Air)	Up to 10 km depending on terrain		Up to 5 km	
VHF beacon frequency	Customer specified / 148-174 MHz			
Operating temperature range	-30°C to +50°C			
Software Interface	Windows XP® or higher recommended			

¹ Please call Lotek for more information

² Battery life estimates may fluctuate due to variance in individual battery capacity as per manufacturer, as well as operating conditions including ambient temperature, landscape, species, etc.

³ Dependant on belt type and size

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FISH & WILDLIFE MONITORING

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Tel: 905-836-6680
Fax: 905-836-6455

Web: www.lotek.com
Email: biotelemetry@lotek.com