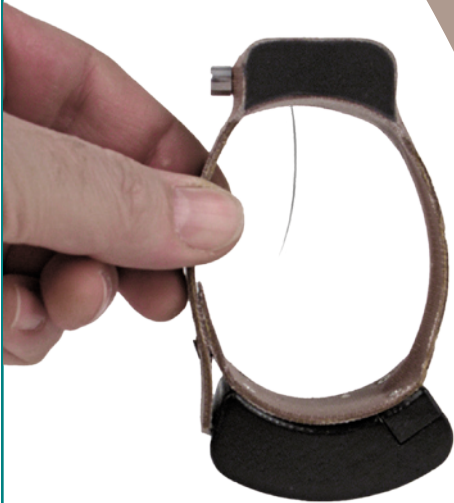


MiniTrack



**Wildlife collars
with 2-way remote
communication via VHF**



LOTEK
WIRELESS
FISH & WILDLIFE MONITORING

- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

Innovative solutions for a sustainable future.

Specifications

	MiniTrack 90	MiniTrack 160 (Preliminary)
Dimensions (L x W x H) (mm)		
Upper Housing	42 x 30 x 15	42 x 30 x 15
Battery	53 x 30 x 19	85 x 35 x 36
The collar contains	GPS receiver VHF tracking beacon Mortality / Temperature 2 axis activity GPS / VHF advanced scheduler Virtual Fence	
Handheld command unit	Function: To remotely command, control & interrogate MiniTrack collars. Interfaces with PC; includes built-in GPS receiver, electronic compass & rechargeable battery.	
Total collar weight ²	Approx. 80-90g	160g
Operational life/battery pack ¹		
1 week	GPS locations every 5 minutes ⁴	Please contact Lotek
1 month	GPS locations every 1 hour ³	
3 months	GPS locations every 3 hours ³	
Data download speed	30 records/second (at 9600 baud rate)	
User replaceable battery pack	Yes	
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	140 MHz - 174 MHz	
Data modulation baud rate	9600 baud direct FM	
Approximate VHF range (Line of sight)	500m	
VHF beacon frequency	Customer specified / 148-174 MHz	
Operating temperature range	-30°C to +50°C	
Software Interface	Windows XP® or higher recommended	

¹ 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.

² Dependant on belt type and size

³ Average time to calculate a fix - 90 seconds

⁴ Average time to calculate a fix - 45 seconds