



LiteTrack Series

Technology:  Satellite

Product:  Collar



Efficient & Lightweight – up to 3 times more GPS fixes

Lotek has introduced an innovative family of GPS products (LiteTrack) intended for small, medium and large mammals. The collars collect positions at users' specified rate, feature a VHF beacon and are optionally capable of remote download of collected data. The operating life varies with battery configuration, application and study needs and objectives. Please contact one of our telemetry consultants to discuss your study needs.

Options

- Contact and close proximity
- Mortality indication
- Remote data download and upload with potential for UAV download
- Flexible scheduling of GPS + VHF + RF communication for extended operating life
- Sensors: activity models, temperature
- Geofencing

Features:



Temperature



Accelerometer



Mortality



Position



Beacon



Proximity



Geofencing



Duty cycling



Data download
(Radio)

Long battery life:

Battery life can be more than doubled using SWIFT fixes

Small species:

Neck sizes starting at 10 cm (~4").

Light weight:

Collars starting from ~20g

Product Applications

Home range analysis, predator prey interaction, survival, reintroduction in historical habitat, disease transmission

Model	Weight (g)	Housing size (LxWxH) (mm)	VHF life ^[1] (days)	GPS life ^[2] (Std / SWIFT fixes)		
				1y	2y	3y
LiteTrack 20	~20	18 x 33.5 x 15	~7	1 / 3 ^[3]	-	-
LiteTrack 30	35	20 x 37 x 24	~10	4 / 11 ^[4]	1 / 4 ^[4]	- / 1.5 ^[4]
LiteTrack 40	45	20 x 45.5 x 24	~150	4 / 11 ^[4]	1 / 4 ^[4]	- / 1.5 ^[4]
LiteTrack 60	63	20 x 64.5 x 24	~150	6 / 16 ^[4]	2 / 8 ^[4]	1 / 3 ^[4]
LiteTrack 140	110+	30 x 60 x 24	~150	12 / 32 ^[5]	5 / 16 ^[5]	3 / 8 ^[5]
LiteTrack 330	330	77 x 57 x 48	TBD	28 / 48 ^[6]	6 / 20 ^[6]	4 / 12 ^[6]
LiteTrack 360	360	77 x 57 x 58	TBD	96 / 144 ^[6]	28 / 48 ^[6]	16 / 32 ^[6]
LiteTrack 420	420	77 x 57 x 73	TBD	240 / 288 ^[6]	96 / 120 ^[6]	57 / 96 ^[6]

1. This is an estimate of how long the VHF beacon continues to operate after GPS records its last scheduled fix.
2. Number of fixes per day to achieve desired operating life.
3. 1h VHF per day
4. 2h VHF per day
5. 3h VHF per day
6. 4h VHF per day

Features and specifications subject to change without notice.

Technical Specifications:

Frequency Range: 148MHz to 174MHz

Standard adjustment (mm):

LiteTrack 20 and 30: ±10

LiteTrack 40: ±20

LiteTrack 60 and 140: ±30

Collar width (mm):

LiteTrack 20: 5

LiteTrack 30: 10

LiteTrack 40 and 60: 15

LiteTrack 140: 25

Collar circumference (mm):

LiteTrack 20: 100 - 200

LiteTrack 30: 130 (115) - 250

LiteTrack 40: 160 (140) - 300

LiteTrack 60: 210 (190) - 390

LiteTrack 140: 250 (220) - 390

Lower collar circumference is achieved by adding foam padding.

Warranty

Contact one of our telemetry specialists for details about our warranty. For Warranty terms and conditions, please review our [Warranty Statement](#).