



AVIAN



TERRESTRIAL



MARINE



FRESHWATER

LiteTrack Iridium Series

Technology:  Satellite

Product:  Collar



1/3 Lighter and up to 3X more GPS fixes

Lotek has introduced an innovative family of GPS products (LiteTrack) intended to reduce significantly the weight of the collar while increasing the data collected and send the data via the Iridium satellite system. While still NEW this product line is field proven. The collars come in a variety of sizes and can weigh from just below 130 grams up to 420 grams depending on battery configuration, belt type and size.

Options

- Contact and close proximity
- Mortality indication
- SWIFT Fixes for many more locations
- Flexible scheduling of GPS + VHF + RF + Iridium communication, GEOFENCING alerts and schedule changes
- Sensors: temperature and activity, in raw, averaged or ODBA formats
- Deploy multiple collars on the same frequency and distinguish between them by means of embedded collar IDs in the VHF beacon signals

Features:



FIELD PROVEN:

Launched mid 2016, LiteTrack Iridium collars have been used in deployments throughout the world and are already contributing large data sets to the research community.

LIGHTEST collars on the market without compromising the amount of data:

Reducing substantially the weight of the LiteTrack Iridium collars was a priority for the design of our new generation of collars.

Product Applications

Home range analysis, Distribution and Habitat use, Survival, Inter/Intra Species interactions, Migration, Predator/pray interaction, wildlife crossings, Translocations and re-introductions, Human wildlife conflicts,

Adaptive management, Population dynamics, Judas operations, Identifying timing and peak of rut activity, Adaptive landscape management, Kill rates, Cause specific mortalities, Kill sites prediction, Invasive species management.

Model	Weight (g) Ungulate/Carnivore	Life ^m (Std / SWIFT fixes)				
		1y	2y	3y	4y	5y
LiteTrack Iridium 130	125 - 140	6 / 16	2 / 12	-	-	-
LiteTrack Iridium 150	145 - 190	16 / 32	5 / 15	-	-	-
LiteTrack Iridium 250	220 - 260	18 / 24	15 / 12	3 / 8	2 / 4	1 / 3
LiteTrack Iridium 330	309 - 342	18 / 24	15 / 12	3 / 8	2 / 4	1 / 3
LiteTrack Iridium 360	344 - 376	57 / 59	16 / 26	8 / 16	6 / 12	4 / 8
LiteTrack Iridium 420	405 - 437	144 / 144	57 / 72	36 / 41	24 / 32	16 / 24
LiteTrack Iridium 750	750 - 1100	288 / 288	114 / 144	72 / 82	48 / 64	32 / 48

1. For LiteTrack Iridium 130 & 150: Life calculated with VHF beacon operating for 7h per week for standard fixes, 21h per week for SWIFT fixes. The collar transmits through iridium after collecting 8 positions for standard fixes and 10 positions for SWIFT fixes.
For LiteTrack Iridium 250 - 420: Life calculated with VHF beacon operating for 28h per week on average. The collar transmits through iridium after collecting 18 positions for standard fixes and 9 positions for SWIFT fixes.

Technical specifications:

Frequency range: 148MHz to 174MHz

Operating temperature: -30°C to +50°C

Standard adjustment: 30mm

Heavy duty packages: available for challenging species.

Timed Release Drop-Off:

Micro-TRD (10g) available for 130 and 150 models.

TRD-L (30g) available for all models.

TRD (40g) available for all models.

TRRD (121g) available for 330, 360 and 420 models.

Warranty

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