


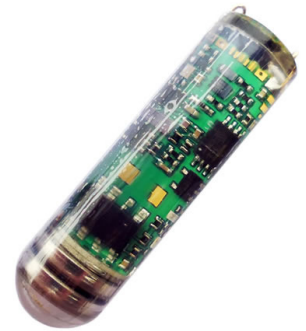


LAT TDRs for Birds

Technology:  Archival

Product:  Tag

Sabine's gull (Xema sabini)



Time, Temperature and Depth Recorders for Birds

Recording bird diving behaviour in the wild is a challenge, so these tags are designed to log when the birds are on the water and the depths to which they dive, together with temperature for enhanced interpretation. With 128 MB on the larger tags, you can record plenty of dive behaviour.

The LAT series is the ideal data storage solution for any biologist seeking reliable long-term life-cycle-related data for diving species.

If you want to sense light levels for geolocation, see our LAT2000 Series geolocators.

Options

- Sensors: Wet/dry sensor, Internal temperature, Depth, Light

Features:



Temperature



Depth



Wet/dry sensor



Duty cycling

Flexible Scheduling:

Choose the interval and resolution of the logs

Up to 128 Mb of data:

Plenty of storage for the data you want, with flexible scheduling

Robust Packaging:

Field proven reliability for over 10 years

Product Applications

The LAT temperature, depth and time recorders have been used successfully with many seabirds. They are robust, so can be fitted to the birds legs which is both better for the welfare of the seabird than harness

mounting, and means that time on the water is recorded. With diving frequency and depth, you can learn about feeding behaviour during periods when they are out of sight.

Model	LAT1800S	LAT1800L
Expected Life ^[1] (months)	12	24
	Tubular form factor:	
Size (ØxL) (mm)	11 x 38	13 x 44
Weight (g)	7	11
	Flatpack form factor:	
Size (LxWxH) (mm)	36 x 11 x 7.5	36 x 13 x 10
Weight in air (g)	6	10
Memory	128MB	

1. The estimated life is based on a single deployment with a sampling interval of no less than 10 seconds. If you plan to deploy for multiple short deployments and/or sample at shorter intervals than 10 seconds, please contact the appropriate Lotek Telemetry Specialist.

Features and specifications subject to change without notice.



LAT1800S (tubular form factor)



LAT1800S (flatpack form factor)

Technical Specifications:

Temperature measurement range: -20 °C to 45 °C
 Temperature calibrated range: -5 °C to 35 °C
 Temperature sensor resolution: 0.05 °C or better
 Temperature sensor accuracy: better than ±0.2 °C
 Depth range: 50m, 200m, 500m, 1000m, 2000m
 (LAT1400, LAT1500, LAT1800S & LAT1800L)

Depth accuracy: ±1% of Full Scale
 Depth resolution: 0.05% of Full Scale
 Sample rate setting: >1s in 1 sec. increments
 Number of log structures allowed: 4

Warranty

LAT1000 tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 50% of Estimated Life to a Maximum of 12 months. For Warranty terms and conditions, please review our [Warranty Statement](#).

Warranty

LAT tags require a LAT Tag Reader for scheduling and downloading data. Data can be visualised with LAT Viewer Studio.