



LAT2000 Series – Light Geolocation

Technology:  Archival

Product:  Tag

Atlantic bluefin tuna (*Thunnus thynnus*)



Gain valuable insights into the life cycle of your species

Lotek Archival Tags (LAT) are compact, reliable instruments for collection and storage of precision-time-stamped depth, temperature and light-based geolocation data.

Options

- Sensors: Wet/dry sensor, Internal and external temperature sensors, Depth, Light
- A selection of pressure ranges is available for each tag to ensure the best match for every application.
- Four memory management (log type) options:
Day Log, Telescopic Log, Conditional Log, Basic Log.

Features:



Temperature



Depth



Light



Wet/dry sensor



Duty cycling

Light data:

Always logged for light geolocation.

Extended memory:

Up to 128 Mbytes of non-volatile memory are available on specific models.

Highly flexible programming:

With numerous configurable parameters, user selectable.

Product Applications

The LAT series is the ideal data storage solution for any biologist seeking reliable long-term life-cycle-related data for fish, wildlife or avian species.

Model	LAT2800S	LAT2800L	LAT2810S	LAT2810L	LAT2310 ^[1]
Life (months)	12 ^[2]	24 ^[3]	12 ^[2]	24 ^[3]	36 ^[3]
	Tubular form factor:				
Size (ØxL) (mm)	11 x 38	13 x 44	11 x 38	13 x 44	16 x 76
Weight in air (g)	6.2	10.6	6	13	45
	Flatpack form factor:				
Size (LxWxH) (mm)	36 x 11 x 7.2	36 x 13 x 10	-	-	-
Weight in air (g)	5.5	10	-	-	-

1. LAT2310 has a stainless steel housing and a stainless steel pressure sensor.
2. At the sampling interval of every 10 seconds
3. At the sampling interval of every 5 seconds

Features and specifications subject to change without notice.



LAT2800S



LAT2800L



LAT2810S



LAT2810L

Technical Specifications:

Extended Memory: 128MB

Memory management: Custom programming

Sample rate setting: >1s in 1 sec. increments

Data resolution: Up to 12 bits maximum

Processing scale and offset: Yes

Data analysis software: Yes

Number of log structures allowed: 4

Calibrated sensor range: -5 °C to 35 °C

Operating temperature range: -20 °C to 45 °C

Temperature resolution: better than 0.05 °C

Temperature accuracy: better than ±0.2 °C

Depth range: 50m, 200m, 500m, 1000m, 2000m

Depth accuracy: ±1% of Full Scale

Depth resolution: 0.05% of Full Scale

Light stalk: (LAT2810 & LAT2310 only)

Warranty

LAT2000 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](#).