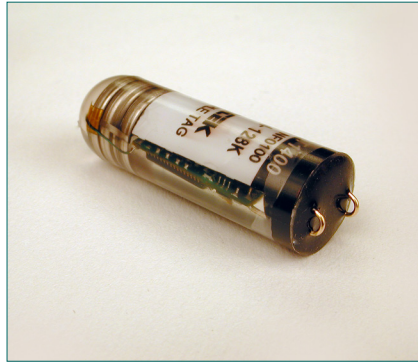
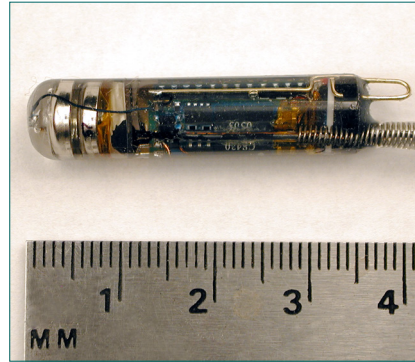


# Lotek Archival Tag Series

## Light-based geolocating archival tags



LAT2500



LAT2510

Gain valuable insights into the life cycle of your species.

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

### Key Features

- Four memory management (log type) options:
  1. Day Log: summarizes on board geolocation and other processes, allowing one to collect data for every day at liberty; a number of "loggables" are available to be recorded in the Day Log, e.g., daily: sea surface temperature, min. and max. pressures, min. and max. temperatures, times of sunrise and sunset, etc.;
  2. Telescopic Log: allows the total times series storage capacity of the tag to be evenly distributed over the entire mission.
  3. Conditional Log: samples recorded (or not) based upon the condition of one or two sampled "loggables";
  4. Basic Log: straight sampling.
- At 8mm x 35mm, the LAT 25x0 is the smallest geolocation tag available for fish applications.
- Wet/dry sensor feature - can identify when the tag is immersed in water.



*Innovative solutions for a sustainable future.*

Receivers  
Dataloggers  
Radio transmitters

Acoustic transmitters  
Archival tags  
GPS systems

Hydrophones  
Wireless hydrophones  
Physiological transmitters

Depth transmitters  
Accessories  
Consulting

# Lotek Archival Tags: Geolocation

## Specifications

	LAT 2500	LAT 2510
Dimensions	8mm x 35mm	
Weight in air	3.6g	4.25g
Weight in water	1.6g	1.76g
Memory	128K, 512K	128K, 512K
Survival depth	2000 meters	2000 meters
Sample rate setting	≥1s in 1 sec. increments	
Wet/dry sensor	Yes	
Standard depth range	50m, 100m, 200m, 500m, 1000m, 2000m	
Sensors	Internal Temperature, Pressure, Light	Internal & External Temperature, Pressure, Light
Light sensor stalk	No	Yes
Pressure accuracy	±1.0% F.S.	
Pressure resolution	0.05% F.S.	
Temperature measurement range	-20 to 45° C	
Calibrated range	-5 to 35° C	
Temperature accuracy	0.2°C	
Temperature resolution	0.05° C or better	
Number of log structures allowed	4	4
Estimated life <sup>(2)</sup>	12 months <sup>(1)</sup>	12 months <sup>(1)</sup>
Warranty life	6 months	6 months
Data analysis software	Yes	Yes

NOTE: These specifications are subject to change.

(1) The estimated life is based on a single deployment with Day Log enabled and a sampling interval of no less than 10 seconds for other logs. If you plan to deploy for multiple short deployments and/or sample at shorter intervals than 10 seconds, please contact your telemetry specialist.

(2) Conditional Logs are designed to conserve memory, but can use additional power in the process as the sensors must be sampled to test the criteria, whether the data are written to memory or not.



FISH & WILDLIFE MONITORING

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