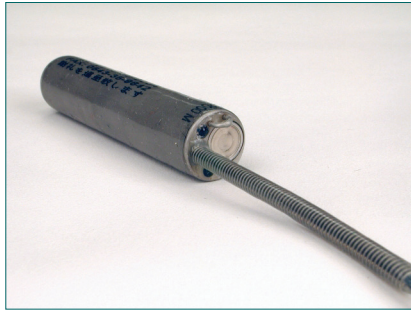


Lotek Archival Tag Series

Light-based geolocating archival tags with extended memory



LAT 2310



LAT 2800

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

- 128 Mbytes of memory allows for an unprecedented amount of data to be collected.
- Light data always logged for light geolocation.
- Wet/dry sensor feature - can identify when the tag is immersed in water.
- Two memory management (log type) options:
 1. Conditional Log: samples recorded (or not) based upon the condition of one or two sampled "loggables";
 2. Basic Log: straight sampling.

Lotek Archival Tags: Geolocation

Specifications

	LAT 2800S	LAT 2800L	LAT 2810S	LAT 2810L	LAT 2310
	Tubular form factor:				
Dimensions	11mm X 39mm	13mm x 44mm	11mm X 39mm	13mm x 44mm	16mm x 76mm
Weight in air	6.2g	11g	7.6g	12g	46g
Weight in water	2.6g	4.9g	3g	5.1g	30g
	Flatpack form factor:				
Dimensions	36mm x 11mm x 8.3mm	36mm x 13mm x 10mm			
Weight in air	4.8g	9g			
Weight in water	TBD				
Memory	128 Mbytes				
Survival depth	2000 meters				
Operation temperature	-20 to 60° C				
Sample rate setting	≥1s in 1 sec. increments				
Wet/dry sensor	Yes				
Standard depth range	50m, 100m, 200m, 500m, 1000m, 2000m		50m, 100m, 200m, 500m, 1000m, 2000m		1000m, 2000m
Sensors	Internal Temperature, Pressure, Light		Internal & External Temperature, Pressure, Light		Internal & External Temperature, Pressure, Light
Light sensor stalk	No		Yes		Yes
Pressure accuracy	+/-1.0% F.S.				
Pressure resolution	0.05% F.S.				
Calibrated Range	-5 to 35° C				
Temperature measurement range	-20 to 45° C				
Temperature accuracy	0.2°C within -5°C to 35°C				
Temperature resolution	0.05° C or better				
Number of log structures allowed	4				
Estimated life ⁽³⁾	12 months ⁽¹⁾	24 months ⁽²⁾	12 months ⁽¹⁾	24 months ⁽²⁾	36 months ⁽²⁾
Warranty life	6 months	12 months	6 months	12 months	18 months
Data analysis software	Yes				

NOTE: These specifications are subject to change.

- (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 your telemetry specialist.
- (2) The estimated life is based on a single deployment with a sampling interval of no less than 5 seconds. If you plan to deploy for multiple short deployments and/or sample at shorter intervals than 5 seconds, please contact your telemetry specialist.
- (3) 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

Innovative solutions for a sustainable future.

Tel: 905-836-6680
Fax: 905-836-6455

Web: www.lotek.com
Email: biotelemetry@lotek.com

E0217-001