

Mk12-S (Stalked) geolocator logger specification



Logger records essential dawn and dusk light transition data for geolocation purposes. No sea water activity recorded.

Standard loops and front tube inner diameter 2mm. 1mm tube and gold pin option available. **LOOPS AND TUBE ARE NOT SEAWATER COMPATIBLE – PLEASE REQUEST GOLD PINS.**

Weight: 0.8g (tube adds 0.05g)

Dimensions: 18x8x4mm excluding rear loops, tube and stalk (length and angle user specified: 30 or 15 degrees, 5 < length < 30mm).

Power source: battery will last 12months from time of manufacture under normal use.

Maximum number of records: depends on activity; data from albatross indicates lifetime light recording and activity memory.

Logging duration: continuous from start until memory full.

Logging interval: light resolution is 2mins. Light is sampled every minute and maximum during 2mins is recorded.

Download time per year logged: approx 10mins; depends on data.

Data retention: 20years (user will not be able to extract data after battery has died; contact manufacturer).

Clock drift: better than 1min/month. With start time, drift can be corrected in post processing. Results show practical drift of approx 3minutes per year.

Minimum temperature while logging: -10°C.

Minimum storage temperature while in sleep mode: -20°C.

(TEMPERATURES BELOW THESE VALUES MAY RESULT IN THE LOGGER BECOMING PERMANENTLY DAMAGED.)

Interface: small interface box connects between logger and USB. Terminal emulator or BASTrak Communicate on host computer runs download and deployment start routine.

Software: data decompression software (Decompressor), sunrise/sunset transition visualisation tool (TransEdit) and transition to location calculator (Locator) is supplied with the interface box. Included is utility to find altitude angle of the sun given location and time, for calibration procedure.

<http://www.birdtracker.co.uk>

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