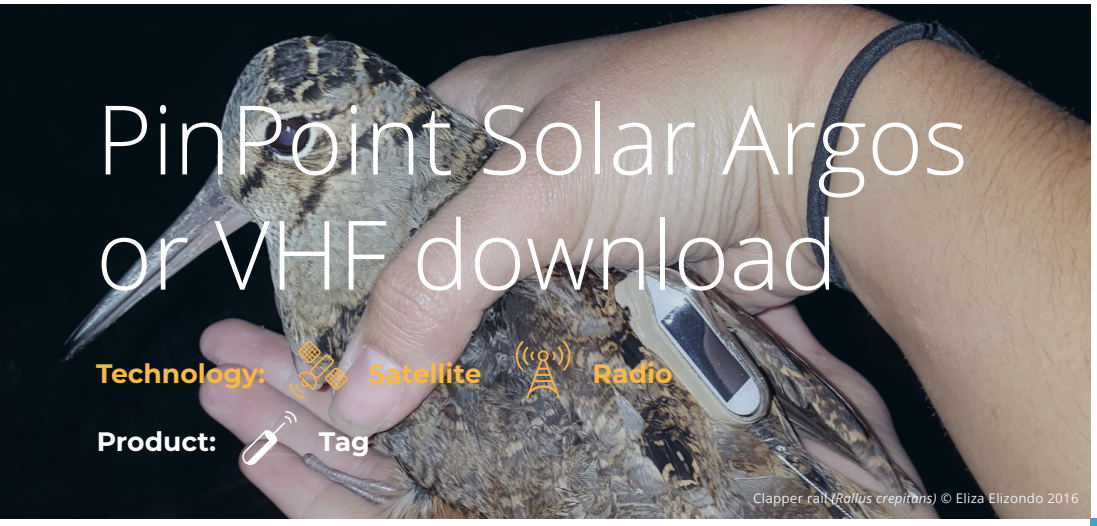
Lotek

AVIAN TERRESTRIAL MARINE FRESHWATER



Extend the life of your PinPoint tags using the sun's energy

Our PinPoint range of GPS tags can be made to last longer by using our solar housing. Lightweight casing gives a starting weight of around 6 g. We have considered the aerodynamics of the tag, while still providing a large surface area for the solar panels. There are a variety of designs to improve the exposure of the solar panels to the sun, including transparent domes or feather grooves, which maintain the streamlined format, and provide harness attachment points.
The performance of the tag will depend on many factors, and we have ways of estimating how many locations are possible given the knowledge you have of the species.
Please ask one of our Telemetry Specialists to see which PinPoint lines are available in solar format and to get a study-specific estimate of the optimal schedule.

Options

- Data download: By Argos Satellite OR By VHF Radio
- Various customisable design options to reduce feather coverage (see reverse)

Features:

Position | Data download (Satellite) | Duty cycling | Solar Assist

Solar Panels:
To extend life

Aerodynamic and lightweight:
Reducing the impact on the bird

All the PinPoint benefits:
Easy scheduling and data processing available from all our PinPoint range are available for these solar versions

Product Applications

Almost everyone wants their tags to work forever, and these housings can certainly extend the life of the tag. However, you need to consider whether it works for your application, by considering which remote download functionality is most appropriate and whether your study species spends sufficient time in the open to gather enough solar energy to power the tag.
Please discuss your specific application with out Telemetry Specialists to consider whether it will be appropriate.

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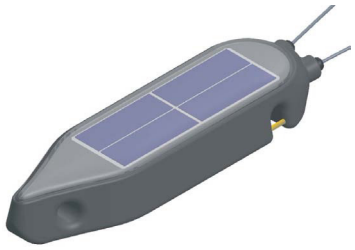
PinPoint Solar Argos or VHF download

Model	PinPoint Solar -S	PinPoint Solar -M	PinPoint Solar -L
Standard weight [1] (g)	6	11	16
Size [1] (LxWxH) (mm)	40 x 18 x 11 [2]	60 x 22 x 11 [2]	80 x 25 x 11 [2]
Antenna length [3]	5cm GPS antenna, 18-23cm Argos/VHF antenna		
Location attempts	Number of location attempts are schedule dependent, please contact us.		

1. Listed weights include tube/attachment points for fitting harnesses, flat dome design and standard antennas.
2. Minimum tag height 11mm. Tag height can be increased to bring the solar deck above the feathers , if required.
3. Antenna angle can be set at a high or low angle (in relation to the back of the bird), as required.

Features and specifications subject to change without notice.

Solar options to reduce feathers covering the solar panels



Flat top
(Standard design)

Crested dome
(Diverts feathers to the side and away from the solar deck,)

Feather channel
(Channels on the sides direct feathers underneath the solar deck.)

Technical specifications:
Operating temperature range: -5°C to +35°C
Waterproofing: Splash tolerant
Repower: Solar panel recharging.

Streamlined tags to reduce drag on flying birds
Harness attachment points at front and rear of tag
Please note, the options alter the weight and height of manufactured tag

Warranty

PinPoint Solar tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 6 months, whichever is shorter, of their first deployment. For Warranty terms and conditions, please review our Warranty Statement.

Accessories

PinPoint DL required for scheduling, and downloading test data and accessing locations if recovered after deployment.