



## PinPoint GPS Argos Solar

Technology:



Satellite



Radio

Product:



Tag

American Woodcock (*Scolopax minor*) © Eliza Elizondo 2016



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

Our PinPoint GPS tags can be made to last longer by using solar housing. Lightweight casing gives a starting weight under 7g. 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. No need for tag retrieval. Accurate GPS locations are taken at times/dates programmed by you to meet the requirement of your study. The locations are then automatically relayed via Argos satellites from anywhere in the world, ready to be downloaded online. Please ask one of our Telemetry Specialists to get a study-specific estimate of the optimal schedule.

### Options

- Data download: By Argos Satellite
- Sensing: Mortality, Voltage, Temperature, Beacon
- Various customisable design options to reduce feather coverage (see reverse)
- Automatically collect data in Movebank
- GPS Altitude

### Key Features:



Position



Data download (Satellite)



Duty cycling



Solar Assist



Mortality



Beacon

### Solar Panels:

To extend life

### Aerodynamic and lightweight:

Reducing the impact on the bird

### All the PinPoint benefits:

Easy scheduling and data processing with GPS accuracy from all our PinPoint range are available for these solar versions

## Product Applications

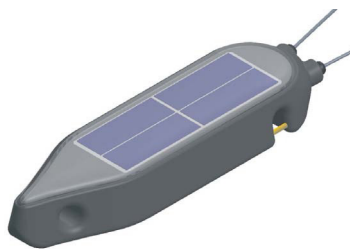
Pinpoint GPS Argos Solar tags work well for determining habitat selection, home range movements, and/or multi-year migration patterns. Ideal for species who spend sufficient time in the sun, the solar tag permits long-term tracking while minimizing weight.

The addition of the programmable VHF beacon allows you or supplement your location data, or track the tag after a predation event.

| Model                              | PinPoint Argos Solar- XS  | PinPoint Argos Solar -S | PinPoint Argos Solar -M | PinPoint Argos Solar -L |
|------------------------------------|---|-------------------------|-------------------------|-------------------------|
| Standard weight <sup>[1]</sup> (g) | 5.5   | ~6.6                    | ~11                     | ~16                     |
| Base Dimensions (LxW) (mm)         | 35 x 16   | 40 x 18                 | 60 x 22                 | 80 x 25                 |
| Height Dimensions <sup>[2]</sup>   | From 11mm- Tag body height & dome shape customised to order   |                         |                         |                         |
| Antenna length                     | 5cm GPS antenna, 23cm Argos antenna   |                         |                         |                         |
| Location Attempts                  | Number of location attempts are schedule dependent.<br>Please contact one of our Avian Telemetry Specialists for estimates. |                         |                         |                         |

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

### 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

Repower: Solar panel recharging.

Streamlined tags to reduce drag on flying birds.

Harness attachment points at front and rear of tag.

Waterproof design (not suitable for diving species). 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 DLC required for scheduling, and downloading test data and accessing locations if recovered after deployment.