






# 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 7 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 are able to estimate how many locations are possible given the knowledge you have of the species. Please ask one of our Telemetry Specialists to get a study-specific estimate of the optimal schedule.

### Options

- Data download: By Argos Satellite
- Programmable VHF Beacon
- Mortality Sensing
- 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.

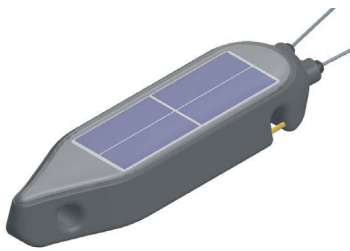
The addition of the programmable VHF beacon allows you or supplement your location data, or track the tag after a predation event.

Model	PinPoint Solar -S	PinPoint Solar -M	PinPoint Solar -L
Standard weight <sup>[1]</sup> (g)	6.6	11	16
Size <sup>[1]</sup> (LxWxH) (mm)	40 x 18 x 11 <sup>[2]</sup>	60 x 22 x 11 <sup>[2]</sup>	80 x 25 x 11 <sup>[2]</sup>
Antenna length <sup>[3]</sup>	5cm GPS antenna, 23cm Argos 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.

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  
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 warranted 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.