

L20 SOLAR CELL TRACKER

The most accurate and reliable tracking system begins with ATS tracking systems



Get your animal's location data from anywhere a 4G LTE Cellular signal is available.

The model L20 Solar-Cell Tracker is a new 30 gram GPS logger that will provide you with your animal's GPS lat/long positions. It can be deployed on the smallest of animals using a variety of attachment configurations. Its focus is providing you with fine scale location data.

The L20 takes location fix data, and periodically transmits those fixes over the 4G LTE network, where the data is stored in the cloud. When the L20 connects to the network, it also obtains data from the cloud and changes any desired settings set by the user. The L20 also has an integrated on-board solar cell charging circuit to save on battery weight and increase life. When you need to collect your data, use your cellphone's web browser to establish communications with the cloud, then download your data to your phone. The L20 website dashboard application will display your device's data on your phone, and allow you to perform other functions. An adaptive fix scheduling capability will optimize your number of collected GPS locations, e.g. location collection is slowed should battery level drain too quickly.

The rechargeable battery will offer very long life since it is continuously trickle charged with the integrated solar panel. You can even redeploy the logger on another animal. The software gives you complete control over the operation of your GPS device, and allows you to get the maximum number of animal locations over time.

- Available in multiple attachment configurations: glue-on, backpack, ear tag, and collar
- FREE unlimited 4G LTE data access is included with every L20 purchase
- Your 4G LTE capable cellphone offers full access to the L20 for data retrieval, viewing, and programming via web browser
- Four hours of solar insolation offers 8 locations logged per day, and one daily LTE communication

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make your next project a
success.



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PHYSICAL:

By model / attachment type:

- L20-G Glue-on: 30g, 62 x 32 x 10 mm
- L20-B Backpack: 30g, 62 x 32 x 10 mm
- L20-E Ear Tag: 37g, 65 x 38 x 16 mm
- L20-C Collar: 85g, 1" wide Neoprene collar, variable collar lengths.
Electronics package is 38 x 32 x 23 mm

TYPICAL LIFE

- Indefinite battery life, battery can last several years

NUMBER OF GPS FIXES BY DAILY AVAILABLE SUNLIGHT

Hours of Sunlight	Number of Fixes
1	2
2	4
4	8

ON-BOARD MEMORY

- Storage for up to 8,000 fixes between transmits

POST PROCESSING SOFTWARE

Web browser-based dashboard provides complete control of all of your L20 devices via your cellphone or other device

BATTERY

- **L20-B, E & G: Rechargeable: 210 mAh V Lithium-ion PO**
- **L20-C Collar: Rechargeable: 650 mAh V Lithium-ion PO**
All Flat Pack; Trickle charged by integrated solar cell

COMMUNICATION

- 4G LTE Cellular

ORDERING INFORMATION

- Specify model; for L20C specify average collar circumference

WARRANTY

- One year parts and labor on materials and workmanship

Features and specifications subject to change without notice. 12/2021