

# 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 LTE-M Cellular signal is available.

The model L20 Solar-Cell Tracker is a new 30-85 gram GPS logger that will provide you with your animals GPS lat/long positions, as well as other sensor data. 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 LTE-M 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 LTE-M data access is included with every L20 purchase
- Use any web browser to access an online dashboard for full access to the L20 data retrieval, viewing and programming
- High resolution sensor data give insights on animal behavior

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RECEIVERS  
GPS SYSTEMS

  
ADVANCED TELEMETRY SYSTEMS

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## L20 SOLAR CELL TRACKER

### 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

### TYPICAL LIFE

- Indefinite battery life, battery can last several years

**More sunlight yields more data. The L20 can manage its own schedule based on sunlight levels, or user can manually set a schedule.**

### ON-BOARD MEMORY

- Storage for up to 520k fixes between transmits

### POST PROCESSING SOFTWARE

Web browser-based dashboard provides complete control of all of your L20 devices via your computer or phone.

### BATTERY

- L20-B/E/G: Rechargeable: 210 mAh V Li-ionPO
  - L20-C Collar: Rechargeable: 650 mAh V Lithium-ion
- Many other configurations available

### COMMUNICATION

- LTE-M Cellular

### ORDERING INFORMATION

- Specify model; for L20C specify average collar circumference

### WARRANTY

- One year parts and labor on materials and workmanship

### NEW HARDWARE/SENSOR FEATURES

- VHF onboard
- Accelerometer (Stores 1.2 mil points)
- Magnetometer (compass)
- 2.5gr Smaller, lighter
- Flash storage from 8k to 520k fixes
- RGB indications
- Current sensing
- Light level readings

Features and specifications subject to change without notice. 5-5-2023