

ATS G5L SERIES Iridium/GPS Location Logger

World's Most Reliable Transmitters and Tracking Systems



Model G5L-2A
~340, 1 yr life



Model G5L-C
~400g, 2+ yr life



Model G5L-D
~600 g, 4 yrs life

The G5L Series of Iridium/GPS loggers offer you a range of options depending on your requirements.

The G5L series logger are easily programmed via wireless communication, using the *Wildlink* Comm Module and your PC. You control when fixes are collected and stored, when data is uplinked to the Iridium satellite (up to six per day), and when the VHF beacon will transmit. A geo-fencing feature is easily programmed.

Your loggers GPS location data is downlinked and stored on ATS' managed website, atsidaq.net, where it's available to you anywhere you access the internet. SMS Text message alerts can be sent on mortality, geo-fencing. Using the website you can also remotely command on-the-fly program changes to the loggers fix rate and mortality schedule, fix duration time, and Iridium transmit interval.

The logger features an integrated VHF beacon transmitter. The G5L series logger cannot be refurbished.

A nominal monthly subscription fee, as well as a per-location fee, is invoiced to you on an monthly basis.

- Receive SMS text alerts on programmed events such as mortality, animal outside fence.
- 100% wireless operation for excellent reliability
- Remotely modify location and data transmission schedule via managed website
- Receive up to 24 locations per day, up to 6 Iridium data downloads per day
- Life calcs based on VHF on 8 hrs/day, 6 locations/day, uplinked every 2 days

TRANSMITTERS
RECEIVERS
GPS SYSTEMS


ADVANCED TELEMETRY SYSTEMS

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ATS G5L Series Iridium/GPS Logger

Large Data Transmission Capacity - Receive animal location data via website, up to 24 location fixes per day, up to 6 downloads per day. Data files include: latest location, aggregate location since deployment (both .txt), and Google map compatible (.kml).

Programmable GPS Sampling Rates - User programs the number of fixes to collect per 24 hour period in one hour increments, and the calendar days of the year on which to collect fixes. Program may be remotely modified via website.

Standard VHF Beacon Included - VHF transmitter is user programmable on a daily on/off hourly schedule. The minimum on time is one hour per day. Turning off the VHF transmitter during periods when it will not be monitored saves power, enabling longer battery life.

Windows® Based Collar Communication Software Included - Software is used to program the collar location fix rate, VHF beacon and duty cycle. Compatible with most MS Windows® OS's. Changes to program may also be remotely commanded on-the-fly via the ATS Iridium website.

Activity Sensor Included - Records movement percentage since the last GPS coordinate was recorded.

Mortality Sensor Included - Allows the researcher to know when the animal has not moved within a 4, 6, 8, 10 or 12 hour time period. The mortality schedule may be changed via website command. Mortality notifications are sent via e-mail or text.

Ambient Air Temperature Sensor Included - Records external temperature each time a GPS location is acquired, accurate to ±2 degrees Celsius with resolution to one degree.

GPS Engine - GlobalTop Ivory Series MT3339 Engine.

G5L Series Iridium/GPS Logger Specifications

LIFE

Typical life is variable; factors affecting life include number of GPS fixes per day, number of Iridium data transmissions per day, visibility of GPS and Iridium satellites, and VHF on-time per day.

MEMORY

- On board data storage
- Datum = WGS84
- 256K nonvolatile data storage memory (64,000 GPS locations)

PHYSICAL

- **G5L-2A**
 - Weight:** 340 grams, (.75 lbs.)
 - Size:** 127 x 51 x 31.75mm
 - Case Material:** Molded plastic, waterproof/potted
 - Battery:** 2 each "AA" size
- **G5L-C**
 - Weight:** 400 grams (.88lbs)
 - Size:** 152 x 57 x 50 mm
 - Case Material:** Molded plastic, waterproof/potted
 - Battery:** 1 each "C" size
- **G5L-D**
 - Weight:** 600 grams (1.32 lbs.)
 - Size:** 200 x 57 x 50 mm
 - Case Material:** Molded plastic, waterproof/potted
 - Battery:** 1 each "D" size

Ordering Information

Specify model and VHF frequency range.
The *Wildlink* Comm Module, PN 17621 is required, available at nominal charge.

WARRANTY

G5L Series GPS loggers are covered by a limited warranty for one year from time of shipment, or up to the calculated minimum battery life, whichever occurs first. Loggers may not be refurbished.

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