



105g Battery GPS PTT

Model #: GT-105GB-GPS

PTT DATA

Location/Fix Type	GPS & Argos Doppler
Location Info	Lat/Long, Date/Time, Course, Speed, Altitude
Sensors	Battery Voltage, Activity, Temperature, Transmission Counter, PTT Uptime

PHYSICAL SPECIFICATIONS

Length	2.88 in. (73.15 mm)
Width	1.41 in. (35.81 mm)
Height	1.15 in. (29.21 mm)
Weight	105 Grams
Antenna Length	7.9 in. (200.6 mm)
Attachment	Loops, Tubes, Custom

ELECTRICAL SPECIFICATIONS

Power Source	High Rate Primary Lithium Battery
Supply Voltage	3.6 to 3.9 VDC
Output Power	200 mW Standard (Adjustable)
Transmit Frequency	401.650 MHz ± 30 kHz
Transmit Interval	60 Second Rep Rate Standard (Adjustable)
Operational Life	3 Yrs @ 2 GPS/day, Transmit every 10 days (Duty Cycle Adjustable)
Operating Temperature Range	-15 to +60 °C
GPS Accuracy	Less than ± 15m (Typical)

CONFIGURATIONS

Backpack, Neck Collar

WARRANTY

1 year limited warranty

VHF OPTION

A VHF transmitter can be attached to the PTT enclosure. Please contact GeoTrak for details and pricing.

PROGRAMMING

GPS PTT's can be programmed with up to 6 unique seasons per calendar year that are defined by calendar dates. The seasons will repeat for each subsequent year of operation. For each desired season, GPS fixes can be scheduled at user-defined times (GMT) or at fixed intervals (i.e every 4 hours). PTT transmit cycles to the Argos satellites are user defined.

SOFTWARE

Included software decodes transmitted messages from PTT that is received by Argos system. The software stores all data in an database for easy data storage, viewing & data manipulation. All location & sensor data can be exported into Excel & CSV data file formats. Additionally GPS/Doppler fix locations can be exported into the KML & Shapefile formats that can be viewed in Google Earth™ or ESRI GIS software.

CONSTRUCTION

The PTT enclosure is constructed from an FR4 glass-reinforced epoxy composite material which is very durable and light weight. As a part of the finishing process, the PTT undergoes a process that effectively displaces unwanted elements that can lead to moisture and corrosion. The PTT is then hermetically sealed.