(919) 303-1467 | www.geotrakinc.com

PTT Product Information

80g Battery PTT

Model #: GT-80GB

PTT DATA

Location/Fix Type	Argos Doppler
Location Info	Lat/Long, Date/Time, Loc Quality
Sensors	Battery Voltage, Activity, Temperature, Transmission Counter, PTT Uptime

PHYSICAL SPECIFICATIONS

Length	2.55 in. (64.77 mm)
Width	1.38 in. (35.05 mm)
Height	1.15 in. (29.21 mm)
Weight	80 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	Approx. 5000 ON hours (Transmitting)
Operating Temperature Range	-15 to +60 °C

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

PTT's can be programmed with up to 10 unique, user defined seasons that will control the transmit duty cycles to the Argos satellites. The seasons are defined by the number ON/OFF hours and how many times to repeat a season duty cycle before proceeding on to the next season. This flexibility will allow the user to methodically balance the amount of location data desired, PTT power consumption & satellite airtime costs.

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.