



Polaris Avian Instruments

The Phoenix Model ~ \$2,850

The World's First Solar Globalstar Tag for Birds



Solar Powered For Long Operational Life

Heading, Altitude, & Speed Recorded With Each GPS Fix

Internal GPS Receiver; Uplink via Globalstar Satellite System

Truly Real-Time Data From Field To Web

56-Channel GPS Engine

Accelerometer Readings in 1, 5, or 10Hz Bursts

Field Downloadable & Reprogrammable Without Recapture Via UHF Link

Temperature, Humidity, Barometric Pressure, Magnetometer, Gyroscope, & Accelerometer

Logging Specifications

GPS fixes per day: 1 to 48 based on solar charging conditions
Memory: 8-Megabit Flash
Storage: up to 90,000 samples

Uplink Transmit Specifications

Frequency: 1611.25 MHz (Channel A)
1616.25 MHz (Channel C)
Frequency Select: Automatic (from GPS location)
Power: 18 dBm, ± 2 dB
Antenna: Dual Feed Patch

GPS Receiver Specifications

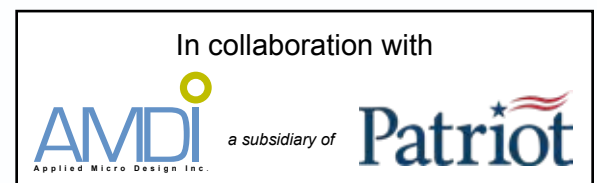
Receiver Type: 56-Channel, u-Blox 7 engine
Datum: WGS84
Receiver Accuracy: 2.5 m CEP
Antenna: 12 mm square patch

General Specifications

Dimensions: 1.60" W x 4.73" L x 1.26" H
Weight: 60 grams nominal
Material: glass-filled nylon
Battery: 800 mA-h High Discharge Li-Po
Operating Temperature: -10°C to +50°C

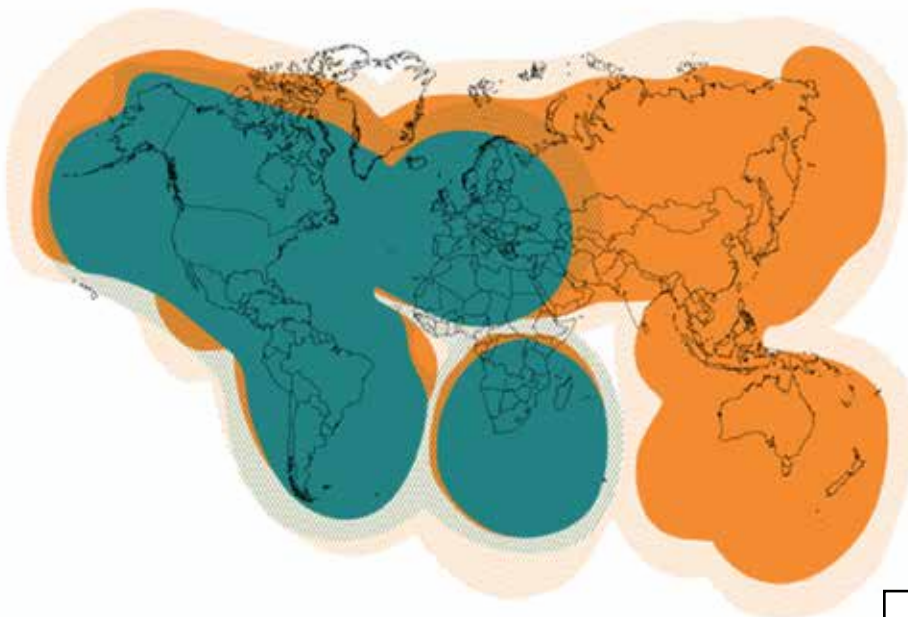
Built-In Solar Cell & Charging Circuit • No External Antenna
Rechargeable Li-Polymer Battery • Nitrogen Filled Enclosure





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Global Coverage



-  S.O.S. AND ONE-WAY MESSAGE COVERAGE
-  FRINGE S.O.S. AND ONE-WAY MESSAGE COVERAGE
-  S.O.S. AND 2-WAY MESSAGE COVERAGE
-  FRINGE S.O.S. AND 2-WAY MESSAGE COVERAGE

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