

Battery Powered Argos/GPS 105g LC4™ PTT

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SENSORS

The Battery Powered Argos/GPS 105g LC4™ PTT includes sensors to measure temperature, battery voltage, and activity. A multi-channel GPS receiver calculates latitude and longitude.

GENERAL ELECTRICAL SPECIFICATIONS

Operating frequency: 401.650 MHz \pm 36 kHz
Power output: 200 mW output is standard**
Output impedance: 50 ohms
Modulation tri-phase PSK: \pm 1.1 Rad \pm 0.1 Rad
Quiescent current: $<$ 3 μ A
Spurious emissions: -45 dB
Transmission interval: 60 seconds***
Supply voltage: 3.6–4 volts
Operating temperature range: -15–45°C

* Neoprene pad not included.

** Adjustable between 100–500 mW.

*** Can be optimized for your requirements at time of manufacture.

PHYSICAL SPECIFICATIONS*

Dimensions: Length 3.70 in (9.40 cm) x Width 1.30 in (3.30 cm) x Height 1.44 in (3.66 cm)

Weight: ~105 grams

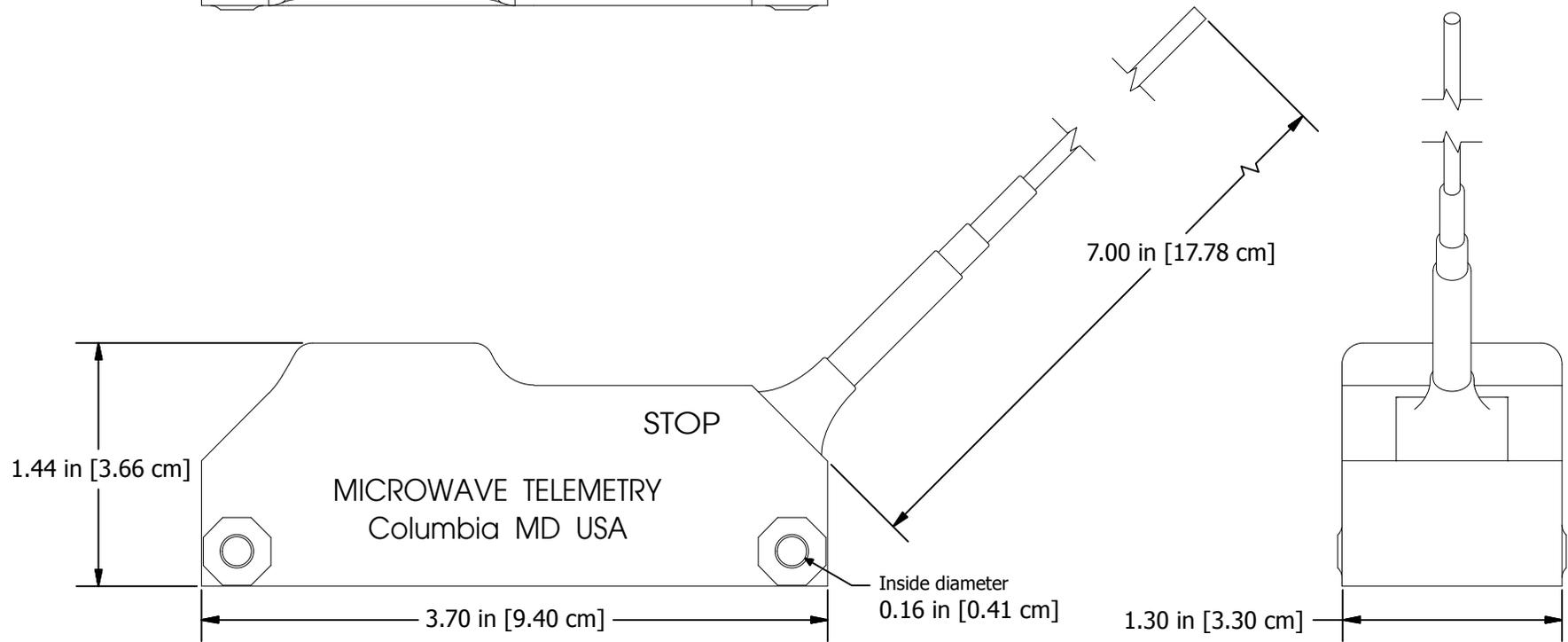
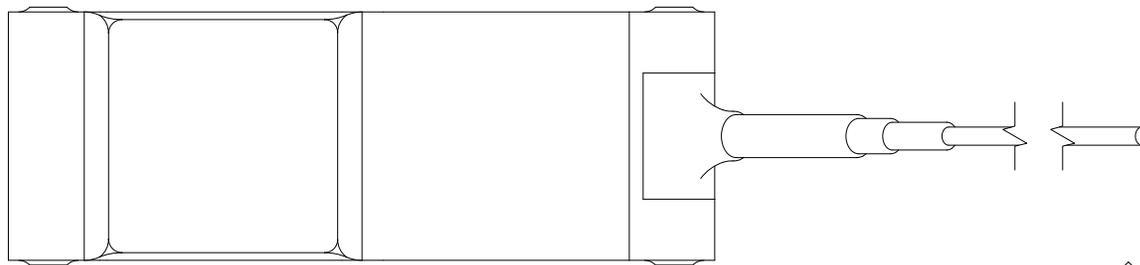
Antenna: Hard nylon-coated flexible stranded marine-grade stainless steel, 7.00 in (17.78 cm) long, protruding from the back edge of the transmitter 45° to the bottom face

FEATURES

- Internal multi-channel micro-power GPS receiver
- SBAS capable (WAAS, EGNOS, and QZSS)
- 2D Firmware with GPS horizontal accuracy \pm 18 m
- SiV™ Technology
- Embedded CRC checksum with bit error detection
- Optional Mortality GT™
- Configured for backpack attachment via harnessing tubes (with standard neoprene cushioning pad)
- Reinforced antenna base
- Alternative color and matte finish options available
- Operating lifetime up to 3 years (with 1 GPS fix per day and transmissions to Argos every 10 days)

CONSTRUCTION

The housing is constructed from a lightweight glass-reinforced epoxy composite material with a contiguous interior metal-plated coating. The unit is hermetically sealed with a metal-to-metal solder joint providing stability during changes in temperature and humidity.



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