

# Battery Powered 95g PTT

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Columbia, MD 21045  
USA



## SENSORS

The Battery Powered 95g PTT includes sensors to measure temperature, battery voltage, and activity, with each parameter relayed to Argos on 3 out of every 4 transmissions. The fourth transmission relays the status of the duty cycle.

## 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  $\mu$ A  
Spurious emissions: -45 dB  
Transmission interval: 60 seconds<sup>†</sup>  
Supply voltage: 3.6–4 volts  
Operating temperature range: -15–45°C

\* Neoprene pad not included.

\*\* Estimated transmission lifetime based on an 8 hours ON / 48 hours OFF duty cycle.

\*\*\* Adjustable between 100–500 mW.

<sup>†</sup> 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 1.19 in (3.02 cm)

**Weight:** ~95 grams

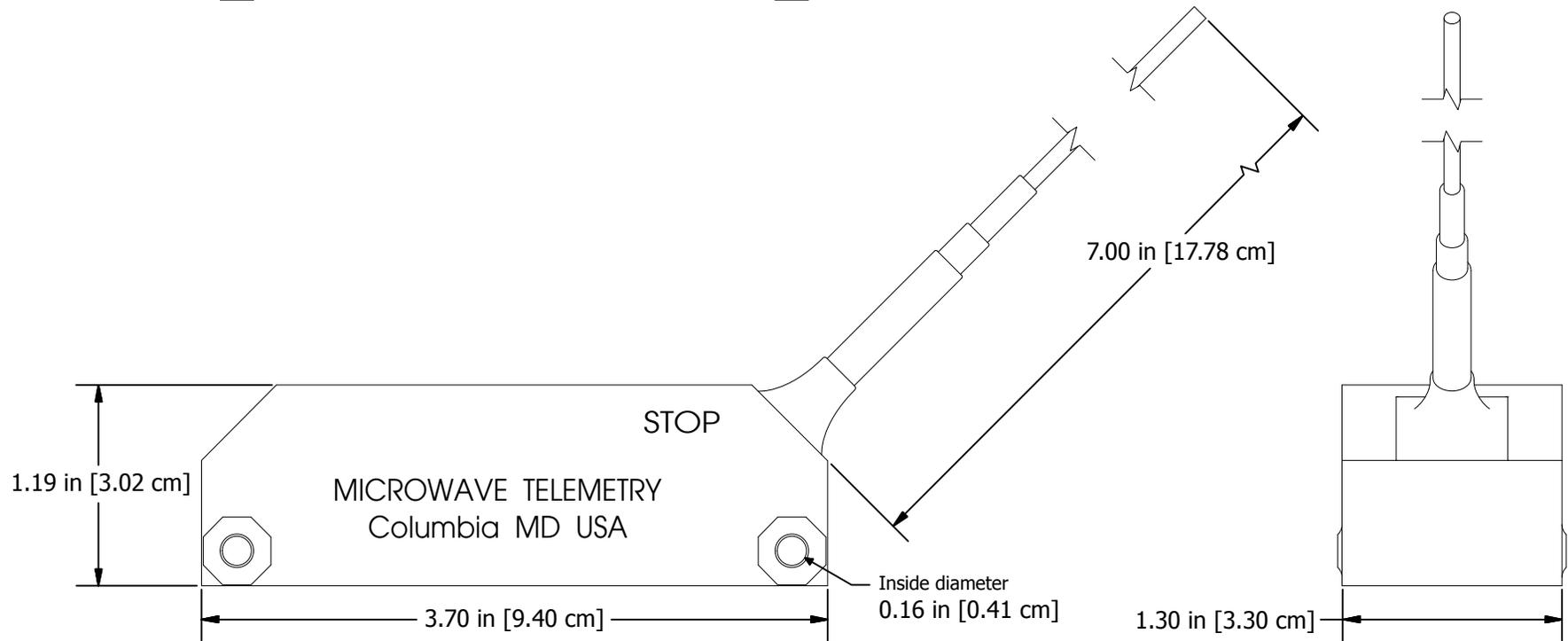
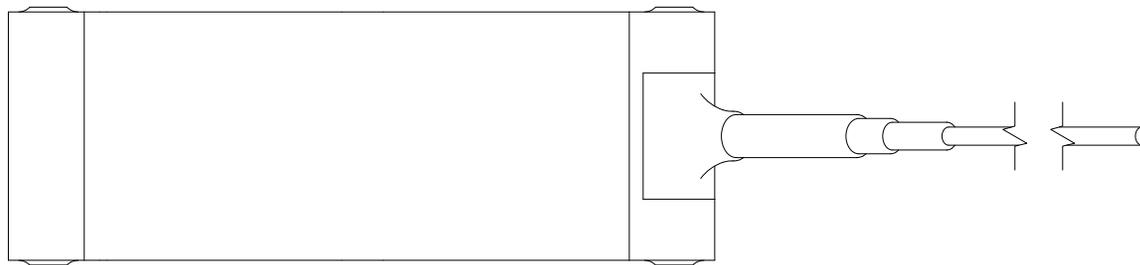
**Antenna:** Hard nylon-coated flexible stranded marine-grade stainless steel, 7.00 in (17.78 cm) long, protruding from the back edge of the transmitter 45° to the bottom face

## FEATURES

- 2000 hours transmission lifetime\*\*
- Programmable with up to 5 duty cycle seasons
- Optional Seasonal GT™ and Mortality GT™
- Configured for backpack attachment via harnessing tubes (with standard neoprene cushioning pad)
- Reinforced antenna base
- Alternative color and matte finish options available

## 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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