

Implantable 26g PTT

Microwave Telemetry, Inc.
8835 Columbia 100 Pkwy, Suites K & L
Columbia, MD 21045
USA



PHYSICAL SPECIFICATIONS

Dimensions*: Length 1.70 in (4.32 cm) x Width 0.95 in (2.41 cm) x Height 0.82 in (2.08 cm)

Weight: ~28–32 grams (depending on configuration)

Antenna: Hard nylon-coated flexible stranded marine-grade stainless steel, 8.13 in (20.65 cm) long, protruding from the top of the transmitter

FEATURES

- 400 hours transmission lifetime**
- Programmable with up to 5 duty cycle seasons
- Optional Seasonal GT™ and temperature-based Mortality GT™
- Optional potting for pressure resistance***
- Optional alternative battery configuration (for space considerations)

CONSTRUCTION

Electronics are hermetically sealed in a biologically inert material; the outer construction is coated for smoothness and stability.

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

SENSORS

The Implantable 26g 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.

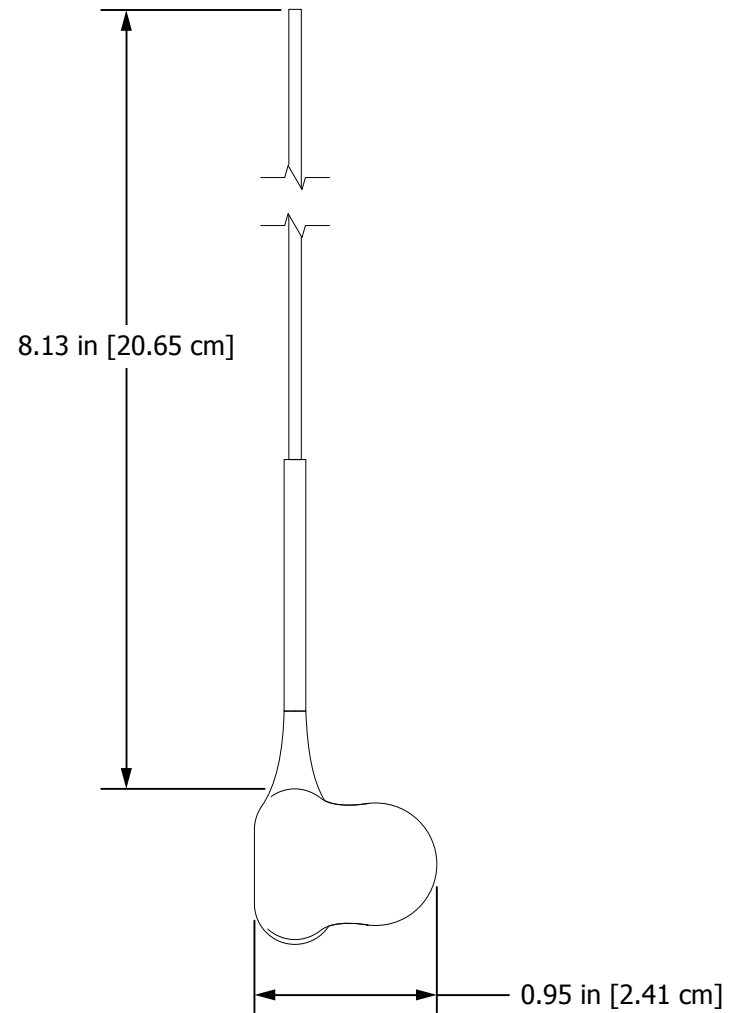
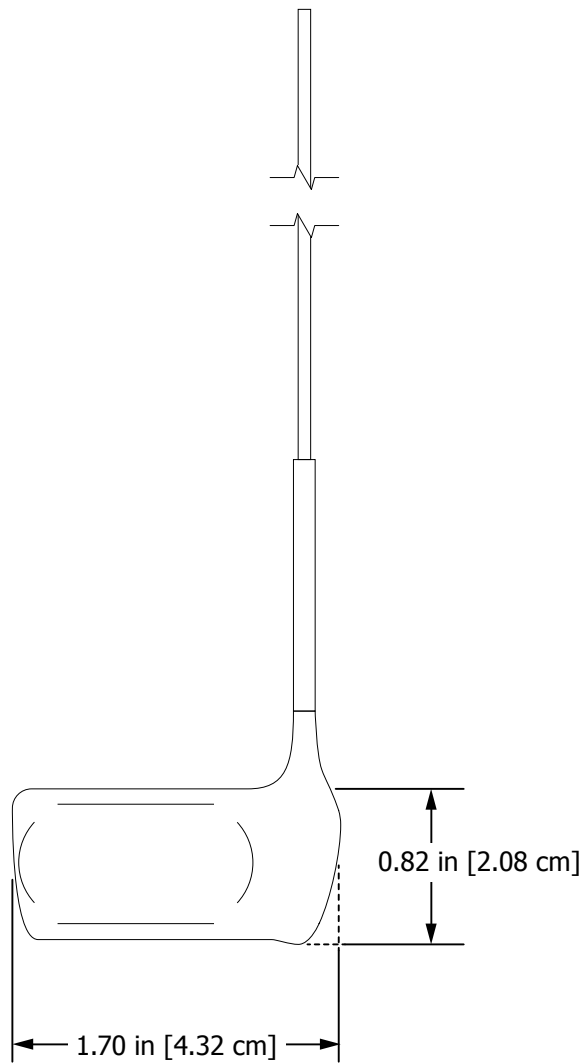
* Dimensions may vary slightly due to the individually crafted nature of these devices.

** Estimated transmission lifetime based on a 6 hours ON / 72 hours OFF duty cycle.

*** This option will increase the weight of the transmitter.

† Adjustable between 100–500 mW.

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



NOTE: Dimensions may vary slightly due to the individually crafted nature of these devices.

© Microwave Telemetry, Inc.	
Implantable 26g PTT	
10-01-2018	Scale 1:1