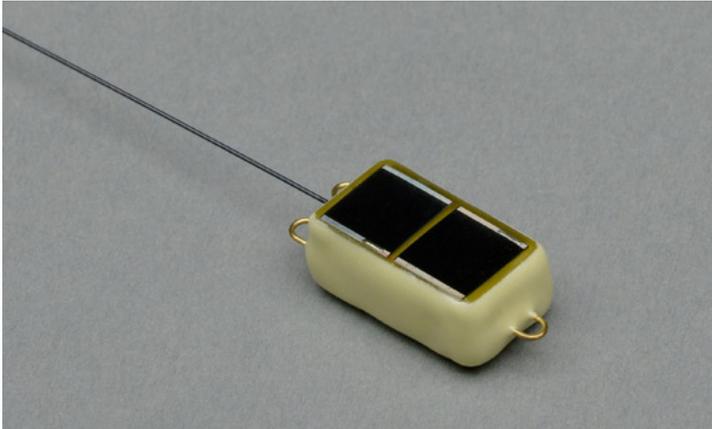


Solar 2g PTT

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USA



SENSORS

The Solar 2g PTT includes sensors to measure temperature and battery voltage with parameters relayed to Argos on every fourth transmission.

GENERAL ELECTRICAL SPECIFICATIONS

Operating frequency: 401.650 MHz \pm 36 kHz
Power output: 80 mW
Output impedance: 50 ohms
Modulation: QPSK
Quiescent current: $<3 \mu$ A
Spurious emissions: -45 dB
Transmission interval: 50 seconds
Supply voltage: 3.6–4 volts
Operating temperature range: -5–45°C

PHYSICAL SPECIFICATIONS

Dimensions*: Length 0.80 in (2.03 cm) x Width 0.46 in (1.17 cm) x Height 0.33 in (0.84 cm)
Weight: 2–2.6 grams (depending on configuration)
Antenna: 8.50 in (21.59 cm) long protruding from the back edge of the transmitter

FEATURES

- Lightweight, intelligent design
- Solar-powered, rechargeable battery
- Microprocessor-controlled power management
- Transmission via Argos-3 for improved satellite reception
- Configured for backpack attachment
- Alternative antenna configuration options available
- Alternative color options available
- Operating lifetime up to 2 years

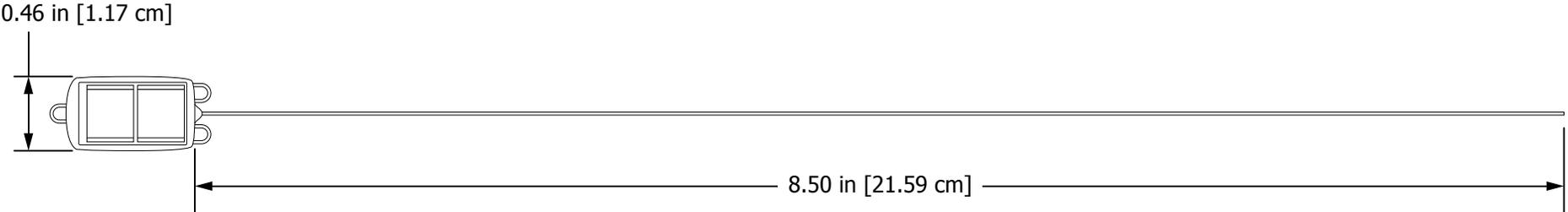
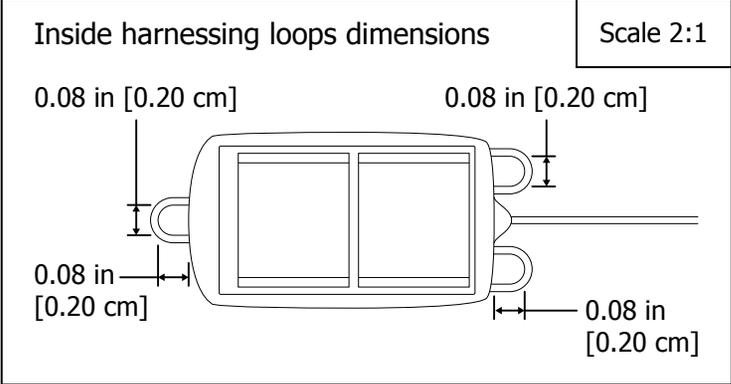
CONSTRUCTION

Microelectronics are encapsulated in epoxy resin to minimize weight and create a durable, long-lasting form.

DUTY CYCLE

Solar 2g PTTs transmit continuously, rather than operating on an ON/OFF duty cycle as do our other PTTs. During normal operation, the 2g PTT transmits in a power-saving mode in which all messages contribute to Argos-calculated locations, but only every fourth message contains sensor data. As with all of our transmitters, the 2g PTT will not be able to transmit if its battery voltage becomes too low. Normal operation will resume once the PTT is exposed to sufficient sunlight to recharge its battery.

* Dimensions may vary slightly due to the individually crafted nature of these devices. Harnessing loops not included in these dimensions.



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

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| Solar 2g PTT | |
| 10-01-2018 | Scale 1:1 |