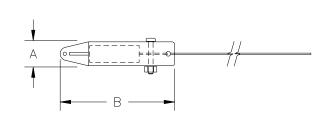
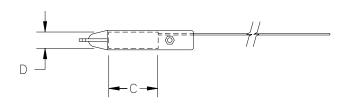
MATS ADVANCED TELEMETRY SYSTEMS

MAMMAL TRAP MONITOR

Series M4000







Technical Specifications

Transmitter type: Crystal controlled 2-Stage ("B" suffix denotes 3-stage)

Calibration tolerance: $\pm 2.5 \text{kHz}$

Frequency stability: $\pm 2.5 \text{kHz}$, -20°C to 40°C

Pulse rate and width: Typical on time 20ms, off time 1100ms (controlled by uC) Pulse rate variation: $0.01\%/\text{volt}, \pm 0.01\%$ for temperatures -20°C to $+40^{\circ}\text{C}$

Battery: Lithium

Activation: By removing magnet

Encapsulation: Electrical resin, water-proof, specific gravity: 1.12

Housing: Aluminum

MODEL	BATTERY	BATTERY CAPACITY (days)			DIMENSIONS (mm)			WEIGHT (grams)	PRICE GROUP
		40 ppm	55 ppm						
M4010	AA	1416	1086	27	145	68	17	110	F
M4010B	AA	540	400	27	145	68	17	112	F

The trap monitor is used to signal when a trap or other device has been moved. After it is triggered the pulse rate doubles and a binary pulse train is sent to indicate elapsed time since the triggering event. A 15 minute pre-trigger delay is incorporated to allow for device placement.

The transmitter is contained in an aluminum housing with a hole at one end for attachment.

Factors other than battery capacity may reduce life.

Warranty life is 50% of battery capacity, maximum of two years.