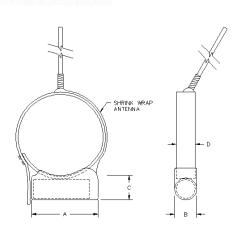
MATS ADVANCED TELEMETRY SYSTEMS

MAMMAL COLLAR

Series M1900





Technical Specifications

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

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

Frequency stability: ± 2.5 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°C

Battery: Lithium

Activation: By removing magnet

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

| MODEL | BATTERY | BATTERY CAPACITY (days) | | DIMENSIONS (mm) | | | | WEIGHT ⁺ (grams) | PRICE GROUP |
|--------|---------|-------------------------|--------|--------------------|----|----|----|-----------------------------|----------------|
| | | 40 ppm | 55 ppm | A | В | С | D | | |
| M1920 | 1/2AA | 654 | 502 | 38 | 19 | 22 | 12 | 38 | С |
| M1930 | 2/3AA | 787 | 603 | 46 | 19 | 22 | 12 | 40 | С |
| M1940 | 2/3A | 1102 | 845 | 46 | 20 | 24 | 12 | 42 | С |
| M1940B | 2/3A | 420 | 311 | 46 | 20 | 24 | 12 | 44 | С |
| M1950 | AA | 1416 | 1086 | 62 | 20 | 22 | 12 | 60 | С |
| M1950B | AA | 540 | 400 | 62 | 24 | 22 | 12 | 62 | С |

⁺Weight for 3-ply neoprene collar. Other plys, widths and materials available. Wider and thicker collar material will increase transmitter weight.

Factors other than battery capacity may reduce life.

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