



SONOTRONICS

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EMT Equipment Marker Transmitters

EMT-01 series: Durable, low cost, equipment marker pingers. Lifetime: to 48 months; Range: to 4km. PVC packaging provides excellent depth ratings and durability.

EMT-01-1: Long life 48 month medium power transmitter

Length: 99mm
Diameter: 19mm
Weight (in air): 48g
Weight (in water): 18g
Lifetime: 48 month (Deactivated via magnet switch.)
Range: Up to 1km
Depth rating: 2500m

EMT-01-2: High power 18 month transmitter

Length: 99mm
Diameter: 19mm
Weight (in air): 48g
Weight (in water): 18g
Lifetime: 18 month (Deactivated via magnet switch.)
Range: Up to 3km
Depth rating: 2500m

EMT-01-3: Highest power, User Replaceable Batteries.

Length: 201mm
Diameter: 32mm
Weight (in air): 252g
Weight (in water): 90g
Mounting Hole Size: 3/16"
Range: Up to 4km
Lifetime: 6 months
Depth rating: 1km
Batteries: 2xAA 3.6v: 161.5dB (ref 1uPascal @ 1m)
(Pinger is deactivated by removing the batteries.)
Immersion Activation Option available. Add ordering code -IA: EMT-01-3-IA

*Ping rates, ping widths, and ping patterns may be specified when ordering for any pinger.



Standard Operating Frequencies: (in 1kHz increments)

EMT-01-1: 69kHz—83kHz
EMT-01-2: 69kHz—83kHz
EMT-01-3: 30kHz—40kHz

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3169 S. Chrysler Ave. Tucson, AZ U.S.A. phone: (520) 746-3322 fax: (520) 294-2040

EMT Equipment Marker Transmitters Options

EMT telemetry pingers produce two separate sets of intervals (time between pings). One interval set is for unique identification of the pinger (fixed), and the other represents the variable telemetry data. The total time between successive angle measurements is approximately 30 seconds. The USR-96 and DH-4 hydrophone from a MANTRAK kit is used to receive data telemetered from the EMTs. The USR-96 alternately displays the ACT ID of the pinger, and selected telemetry on its integral LCD.

EMT-AR Tilt Sensing

EMT-AR pingers sense tilt angles relative to gravity with a 5° resolution, and a +/- 2.5° accuracy for tilt angles between 15 and 90 degrees, and +/- 5° accuracy for tilt angles between 0 and 12.5 degrees. Alternatively, the EMT-AR may be ordered to provide a unique alarm pattern if a tilt angle exceeds a preselected amount.

EMT-TT Temperature Sensing

EMT-TT pingers sense ambient temperature between -5°C and +40°C with a factory standard accuracy of +/-2° C, and a resolution of .5° C. Greater accuracies may be obtained by calibrating the transmitter in fixed temperature solutions

| Model | Lifetime | Range | Depth rating | Length | Diameter | Weight |
|--------------|-----------------|--------------|---------------------|---------------|-----------------|---------------|
| EMT-AR-1 | 48 months | 1km+ | 2.5km+ | 99mm | 19mm | 48g |
| EMT-AR-2 | 18 months | 3km+ | 2.5km+ | 99mm | 19mm | 48g |
| EMT-AR-3 | To 6 mo* | To 4km+* | 1km | 201mm | 32mm | 252g |
| EMT-TT-1 | 48 months | 1km+ | 2.5km+ | 99mm | 19mm | 48g |
| EMT-TT-2 | 18 months | 3km+ | 2.5km+ | 99mm | 19mm | 48g |
| EMT-TT-3 | To 6 mo* | To 4km+* | 1km | 201mm | 32mm | 252g |

* parameters dependant on battery selection