



## 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: 32kHz—40kHz

\*35 - 40kHz with reduced output

# ***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

<b>Model</b>	<b>Lifetime</b>	<b>Range</b>	<b>Depth rating</b>	<b>Length</b>	<b>Diameter</b>	<b>Weight</b>
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