



Mini MAP Series

Technology:  Acoustic

Product:  Tag



MAP Acoustic Transmitters 200 KHz

MAP-Series acoustic transmitters are designed for operation with Lotek's unique MAP digital encoded telemetry systems. MAP acoustic systems permit the unique identification of over 80,000 individual animals. Both ID-only and ID plus sensors (temperature, pressure/depth and/or motion) can be simultaneously monitored and recorded. Unique CDMA digital coding permits simultaneous detection of hundreds of co-located transmitters at high repetition rates (to 40 transmissions per minute per tag), yielding data with higher temporal resolution and higher detection rates when compared to analog coding systems. When used in conjunction with WHS 3250 submersible receivers and Lotek UMAP positioning software, continuous high resolution 2D and 3D tracks of tag location in time are calculated.

Options

- ID-only and real time Sensor data transmitters (temperature, pressure/depth and/or motion) can be monitored/tracked and recorded simultaneously.

Features:



Temperature



Depth



Activity

Over 80,000 unique IDs:

Available on a single acoustic frequency

Unique digital CDMA encoding:

Permits simultaneous detection / decoding of hundreds of co-located transmitters

Rapid Burst Interval:

(to 1.5 sec) results in efficient manual tracking and higher temporal resolution.

Compatible with Lotek UMAP positioning software:

For continuous 2D/3D positioning

Product Applications

Efficient, high speed manual tracking through rapid transmission, species migration timing/behavior around hydro-electric facilities, continuous 2D/3D positioning with WHS 3250 receivers and UMAP software

Model	Weight ^[1] (g)	Expected life ^[2] (days) (std / ext)			
		2s interval	5s interval	10s interval	20s interval
M-416	0.5	1 / 5	4 / 13	8 / 25	17 / 48
M-421	0.6	2 / 8	6 / 19	13 / 38	25 / 72
M-626	1.0	6 / 18	15 / 45	30 / 89	60 / 169
M-48	2.7	16 / 49	41 / 122	82 / 238	161 / 463
M-416-T	0.5	1 / -	4 / -	8 / -	17 / -
M-421-T	0.6	2 / -	6 / -	13 / -	25 / -
M-626-T	1.0	6 / -	15 / -	30 / -	60 / -
M-48-T	2.7	16 / -	41 / -	82 / -	161 / -

1. Stated specifications may vary by +/- 5%

2. Expected life may vary, based in part upon environmental conditions to which the tags will be subjected.

All transmitters are guaranteed to meet stated specifications upon shipment. Any Lotek transmitters found to be defective, with respect to material, workmanship or warranty life, effective from shipment date, will be repaired or replaced.

Periodic design modifications to individual models may alter specifications. It is recommended that specifications be confirmed when placing an order.



M-416



M-421



M-626



M-48

Warranty

Mini MAP tags are warranted to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life. For Warranty terms and conditions, please review our [Warranty Statement](#).