




MAP Series

Technology:  Acoustic

Product:  Tag

Atlantic salmon (*Salmo salar*)



MAP Acoustic Transmitters 76 KHz

LOTEK NanoTag Series transmitters furnish researchers with a tool to collect previously unavailable data regarding movement of animals in their natural environment.

The NanoTag Series' field-proven, energy efficient design delivers a highly stable signal, while its diminutive size and relatively long operational life enable biologists to collect data on smaller species over longer periods than ever before.

Options

- Available in standard or high power output
- External attachment option available (increases transmitter length and weight).

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 (to 1.5 sec) Burst Interval:

Results in efficient manual tracking and higher temporal resolution.

ID-only and real time Sensor data transmitters:

Sensor data can be monitored/tracked and recorded simultaneously.

Product Applications

Efficient, high speed manual tracking made possible through rapid transmission Burst Intervals, Continuous 2D/3D position tracks available for fine scale habitat utilization and species interaction studies, Species migration timing/behavior around hydro-electric facilities.

Model	Sensor type	Physical specifications ^[1]		Life ^[2] (days)	
		Size (ØxL) (mm)	Weight (g)	5s interval	90s interval
MM-M-8-SO	ID-only	8.5 x 42	5.5	20	291
MM-M-11-SO	ID-only	11 x 42	6.6	20	291
MM-M-11-28	ID-only	12 x 60	11	100	1478
MM-M-11-45	ID-only	12 x 73	15	155	2300
MM-M-16-25	ID-only	16 x 57	26	194	3047
MM-M-16-33	ID-only	16 x 64	29	265	4156
MM-M-16-50	ID-only	16 x 80	35	424	6649

1. Size/weight specification tolerance typically $\pm 5\%$. It is recommended that specifications be confirmed when placing an order.
Sensors increase length by 3mm and weight by 0.5 (e.g. 8mm diameter tag) to 3 (e.g. 16 mm tag) grams.
2. Sensor option decreases expected life by approximately 3%

Features and specifications subject to change without notice.

Warranty

MAP tags are warranted to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 3 years.

For Warranty terms and conditions, please review our [Warranty Statement](#).