

The MS-Series Multi-Mode Acoustic Transmitters

Compatible with MAP and SRX Acoustic Receiving Systems
(available as ID-only or ID plus sensors)



As in other areas of fish and wildlife monitoring, Lotek is continuously expanding the boundaries of acoustic telemetry with a range of innovative options, including transmitters that combine multiple technologies for use in multiple habitats with multiple receiving systems.

The MS-series was designed to enable researchers invested in SRX acoustic receiving systems to transition to the more powerful MAP acoustic technology and maintain use of their existing SRX acoustic infrastructure (SRX 400A, SRX 600, UUCN, and LHP_1).

Key Features

- Compatible with both SRX acoustic (SRX 400A/600 + UUC/LHP) and MAP acoustic receiving systems
- Available as ID-only or ID plus sensors (temperature, pressure/depth, motion).
- Compatible with MAP fine scale acoustic positioning systems.
- Flexible duty cycle (acoustic/radio and multi-sensor) to optimize detection rates and data acquisition.

Applications

- For researchers invested in SRX acoustic infrastructure for presence/absence monitoring, MS-series transmitters allow expansion to include a fine scale positioning component to their study.
- Studies involving migration activity and fine scale habitat use or species interaction.

Specifications

MS-Series: Multi-Mode Acoustic Transmitters

Model	Sensor Type	Physical Specifications			Estimated Life (days)	
		Size (dia x length) (mm)	Air weight (g)	Water weight (g)	2.0 sec. between bursts	5.0 sec. between bursts
MS-11-12	ID-only	11 x 45	8.0	4.0	18	45
MS-11-18	ID-only	11 x 51	9.0	4.5	46	113
MS-11-25	ID-only	11 x 58	10	5.0	65	162
MS-16-25	ID-only	16 x 54	23	13	114	284
MS-16-33	ID-only	16 x 62	27	15	156	388
MS-16-50	ID-only	16 x 79	31	16	249	621
MS-16-252	ID-only, High Power	16 x 82	33	17	69	171
MS-16-332	ID-only, High Power	16 x 98	38	20	94	234
MS-M11-12	Motion	11 x 45	8.0	4.0	18	44
MS-M11-18	Motion	11 x 51	9.0	4.5	45	111
MS-M11-25	Motion	11 x 58	10	5.0	65	158
MS-M16-25	Motion	16 x 54	23	13	114	280
MS-M16-33	Motion	16 x 62	27	15	155	381
MS-M16-50	Motion	16 x 79	31	16	248	610
MS-M16-252	Motion, High Power	16 x 82	33	17	69	170
MS-M16-332	Motion, High Power	16 x 98	38	20	93	231
MS-TP11-12	Temperature & Pressure	11 x 48	8.5	4.5	18	44
MS-TP11-18	Temperature & Pressure	11 x 54	9.5	5.0	45	111
MS-TP11-25	Temperature & Pressure	11 x 61	11	5.5	64	159
MS-TP16-25	Temperature & Pressure	16 x 56	23	13	113	281
MS-TP16-33	Temperature & Pressure	16 x 64	27	15	154	383
MS-TP16-50	Temperature & Pressure	16 x 81	32	17	246	612
MS-TP16-252	Temperature & Pressure, High Power	16 x 84	34	18	68	170
MS-TP16-332	Temperature & Pressure, High Power	16 x 100	38	20	93	223
MS-PM11-12	Pressure & Motion	11 x 48	8.5	4.5	18	44
MS-PM11-18	Pressure & Motion	11 x 54	9.5	5.0	45	109
MS-PM11-25	Pressure & Motion	11 x 61	11	5.5	64	156
MS-PM16-25	Pressure & Motion	16 x 56	23	13	113	277
MS-PM16-33	Pressure & Motion	16 x 64	27	15	154	378
MS-PM16-50	Pressure & Motion	16 x 81	32	17	246	605
MS-PM16-252	Pressure & Motion, High Power	16 x 84	34	18	68	169
MS-PM16-332	Pressure & Motion, High Power	16 x 100	38	20	93	230

* MAP acoustic mode only



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