

The CH-Series

Multi-Mode Acoustic/Radio Transmitters

Compatible with MAP Acoustic and SRX Radio Receivers
(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.

Multi-mode technology provides the means to track animals throughout a variety of applications or environments that may not be compatible with a single technology.

Key Features

- For use in all environments including shallow and deep freshwater estuaries and marine/saltwater.
- Combines radio and acoustic transmission on a single device thereby eliminating the need to double tag.
- Compatible with both MAP acoustic and SRX radio systems.
- Compatible with fine scale acoustic positioning systems.
- Available as ID-only or ID plus sensors (temperature, pressure/depth, motion).
- Flexible duty cycle (acoustic/radio and multi-sensor) to optimize detection rates and data acquisition.

Applications

- Studies of migration activity of anadromous species from ocean through to spawning site.
- Studies of lake dwellers moving between shallow and deep freshwater.
- Microhabitat utilization and species interaction.
- Manual tracking, autonomous data-logging presence/absence and 2D/3D positioning.
- Monitoring of fish entrainment around hydro facilities during migration.

LOTEK

WIRELESS
FISH & WILDLIFE MONITORING

Innovative solutions for a sustainable future.

- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- 2D/3D Position systems

- Sensor transmitters
- Accessories
- Consulting

CH-Series

Specifications

CH-Series: Combined Hybrid 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
CH-11-12	ID-only	11 x 50	9.0	4.5	20	51
CH-11-18	ID-only	11 x 56	10	5	51	127
CH-11-25	ID-only	11 x 63	11	5.5	73	181
CH16-25-IA*	ID-only	16 x 75	30	17	129	320
CH-16-25	ID-only	16 x 54	24	14	129	320
CH-16-33	ID-only	16 x 62	32	18	175	436
CH-16-50	ID-only	16 x 79	36	19	280	698
CH-16-252	ID-only, High Power	16 x 82	37	20	81	202
CH-16-332	ID-only, High Power	16 x 98	42	22	111	276
CH-M11-12	Motion	11 x 50	9	4.5	20	49
CH-M11-18	Motion	11 x 56	10	5	51	124
CH-M11-25	Motion	11 x 63	11	5.3	72	177
CH-M16-25	Motion	16 x 54	24	14	128	314
CH-M16-33	Motion	16 x 62	32	18	174	428
CH-M16-50	Motion	16 x 79	36	19	279	685
CH-M16-252	Motion, High Power	16 x 82	37	20	81	200
CH-M16-332	Motion, High Power	16 x 98	42	22	110	273
CH-TP11-12	Temperature & Pressure	11 x 52	10	5.0	20	50
CH-TP11-18	Temperature & Pressure	11 x 58	11	5.5	50	125
CH-TP11-25	Temperature & Pressure	11 x 65	12	6	72	179
CH-TP16-25	Temperature & Pressure	16 x 55	26	15	127	316
CH-TP16-33	Temperature & Pressure	16 x 63	32	18	173	432
CH-TP16-50	Temperature & Pressure	16 x 81	36	20	277	690
CH-TP16-252	Temperature & Pressure, High Power	16 x 83	38	21	81	201
CH-TP16-332	Temperature & Pressure, High Power	16 x 100	43	23	110	274
CH-TP32-50	Temperature & Pressure	32 x 86	87	36	983	3 yr.**
CH-PM11-12	Pressure & Motion	11 x 60	11	5	20	49
CH-PM11-18	Pressure & Motion	11 x 66	12	5.5	51	124
CH-PM11-25	Pressure & Motion	11 x 70	13	6	72	177
CH-PM16-25	Pressure & Motion	16 x 56	26	15	128	314
CH-PM16-33	Pressure & Motion	16 x 64	33	18	174	428
CH-PM16-50	Pressure & Motion	16 x 81	36	20	279	685
CH-PM16-252	Pressure & Motion, High Power	16 x 83	38	21	81	200
CH-PM16-332	Pressure & Motion, High Power	16 x 100	43	23	110	273

* Internal coiled Antenna



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