HTI Coded Transmitters - 307 kHz

High frequency tag is ideal for tracking animals in freshwater and especially in high flow, noisy environments such as around hydropower facilities

Operating at 307 kHz, the HTI coded 795-Series Acoustic Tags are ideal for monitoring fish in freshwater environments, and are especially suited for use in high flow, high noise environments such as around hydroelectric facilities.

The 795-Series tags provide an efficient means for detecting fish presence and/or remotely tracking fish in 2D and 3D in fine-scale resolution up to 20 centimeters. They can be detected at ranges of up to one kilometer.

The tags support PIT tag inclusion for detection of tagged fish outside of water or beyond the battery life of an acoustic tag study.

Benefits

- Fine-scale, sub-meter, 2D/3D resolution over time (e.g., once every second)
- Detection ranges up to one kilometer
- Simultaneous tag identification and detection
- Immune to tag signal collision
- Individual tag identification with over 500,000 unique codes
- Multitude of tag life options (up to 5 years) with various tag size and tag life options available
- Superior resolution and range with an encoded signal for 11 dB increase insignal strength

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Pair With

The HTI coded 795-Series 307 kHz tags are used as a system with:

- Model 290 Acoustic Tag Receiver
- Model 291 Portable Acoustic Tag Receiver
- Model 395 Acoustic Tag Data Logger
- Model 590 Hydrophone
- HR3 High Residence Receiver
- Model 490-LP Acoustic Tag Programmer (for on-site programming of ping rate, pulse width and tag ID)

PRODUCT SPECIFICATIONS

Tag Model	Diameter (mm)	Length (mm)	Weight in Air (g)	Weight in Water (g)	Power Output dB re 1 µPa @ 1m	Battery Life (days)* 3 sec PRI	Battery Life (days)* 10 sec PRI
HTI 795-LM	6.8	17.5	0.65	0.34	149	38	66
HTI 795-LD	6.8	20	1.1	0.55	149	98	175
HTI 795-LF	11	24.5	3	1.56	152	170	500
HTI 795-LG	11	33	4.47	3.1	152	365	912
HTI 795-LY	16	48	11.9	7.3	152	912	1460
HTI 795-LZ	16	69	24	14	152	1460	1825

* *Estimated life can be extended by decreasing Pulse Width (PW) and/or increasing Pulse Rate Interval (PRI). Length, diameter and weight may vary +/- 10%. Life quoted is based on operating parameters of 1 msec pulse width, single pulse, at 10°C.*

Ready to Get Started? Contact us today.

About Innovasea

Innovasea designs the world's most technologically advanced aquatic solutions for fish tracking and builds them to withstand the toughest conditions. It's all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. Today. Tomorrow. For life.

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