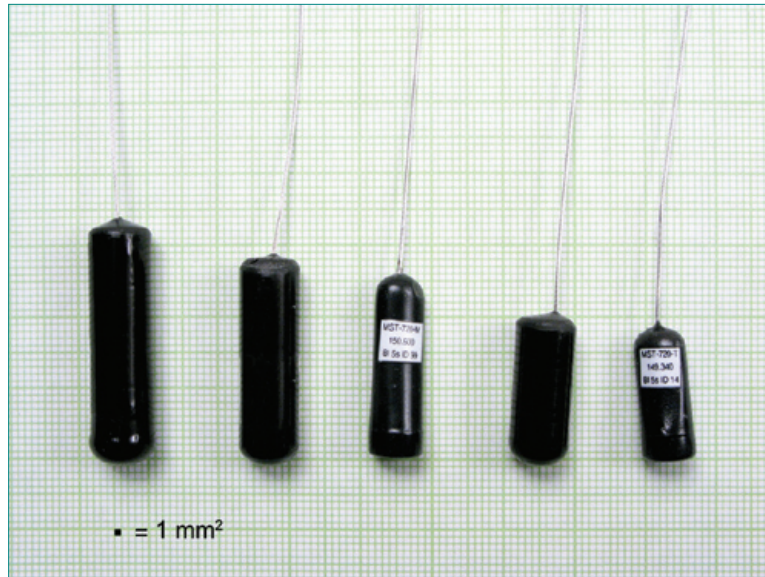


MST Series Miniature Sensor Radio Transmitter



The Lotek Sensor Transmitter series has expanded to include tags of much smaller size than previously available enabling biologists to collect physiological data (temperature and motion status) on smaller adult and juvenile fish species.

In addition, the MST-series incorporates advanced programming algorithms to facilitate extended operational life and variable burst rate to match project temporal resolution requirements

Key Features

- MST-Series radio transmitters are compatible with Lotek model SRX_400A, SRX 600 and SRX-DL coded radio receivers.
- Transmission modes available include ID-only or ID plus sensor(s).
- Sensor configuration include one or two sensors.
- Activation Programming modes available include Basic (delay, 3 level on/off) and Advanced (burst rate scheduler).
- Specifications presented for internal implantation. External attachment option available
- Also available as a non-coded “beeper”

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Innovative solutions for a sustainable future.

- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

MST - Series

Based upon field-proven reliable technology deployed at hundreds of application sites over the last decade, the MST-Series of radio transmitters demonstrates Lotek's ability and commitment to provide telemetry systems that gather data at finer scales of observation

and provide deeper insight into fish behavior. Lotek coded sensor transmitters permit multiple uniquely identifiable tags on a single frequency thereby minimizing total scan time and the potential for missed detection.

Specifications

MODEL No.	TYPE	Size (mm)	Weight*	Calculated Life (days)	
		diam x length	air (g)	2 sec	5 sec
MST-720	ID only	7 x 18	1.3	22	50
MST-820	ID only	8 x 20	2.1	44	100
MST-930	ID only	9.5 x 26	4.0	117	266
MST-720-T	Temperature	7 x 20	1.4	21	49
MST-820-T	Temperature	8 x 22	2.2	43	97
MST-930-T	Temperature	9.5 x 28	4.0	114	260
MST-720-M	Motion	7 x 28	1.8	21	46
MST-820-M	Motion	8 x 28	2.8	42	92
MST-930-M	Motion	9.5 x 32	4.5	113	245
MST-720-MT	Motion & Temperature	7 x 28	1.8	21	45
MST-820-MT	Motion & Temperature	8 x 28	2.8	42	91
MST-930-MT	Motion & Temperature	9.5 x 32	4.5	111	242

* Stated weight in air may vary by +/-5%

Sensors:

Temperature sensor range is -6 to +34° C

Temperature accuracy/resolution is $\pm 0.8^{\circ}\text{C}/0.8^{\circ}\text{C}$

Motion Status is reported as either ID/ID +100 or sensor level 0/1

Programmable Motion Status sensitivity (1-5), trip point (hours), and latch/reset option

Warranty

Transmitter warranty life is computed as 80% of calculated life.

Maximum warranty is three years, although theoretical operational life estimates may be longer. Any Lotek transmitter found to be defective with respect to materials, workmanship or warranty life will be repaired or replaced subject to Lotek product warranty conditions and limitations.

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