



Coded VHF Radio Transmitter

The Lotek Miniature Sensor Transmitter was developed to provide real time temperature and/or bi-modal motion data for studies involving smaller adults and juvenile fish species, reptiles and amphibians. MST can be configured as either ID-only or real time sensor transmitter and utilizes Lotek proprietary codesets enabling over 700 unique IDs per frequency (Lotek 5), thereby greatly reducing overall scan time when compared to individual frequency “beeper” type transmitters or smaller codesets available from other manufacturers. MST incorporates a highly flexible On/Off Activation and variable Burst Interval scheduler to further extend transmitter operational life.

Options

- Transmission modes available include ID-only or ID plus sensor(s)
- Activation Programming modes available
- External attachment option available
- Also available as non-coded “beeper” transmitter

Features:



Temperature



Activity



Duty cycling

Small size:

From 1.5 to 4.5g permits monitoring of juvenile fish species, reptiles and amphibians

Over 700 (Lotek 5) unique tag IDs per frequency available:

Temperature and/or Motion status data is transmitted in real time with uniquely coded ID

Duty cycling:

Flexible On/Off Activation and variable Burst Interval schedule for extending life

Product Applications

Used in studies of small adults or juvenile fish species, reptiles and amphibians.



Model	Type	Physical specifications		Calculated life (days)	
		Size (ØxL) (mm)	Weight ¹⁾ (g)	2s interval	5s interval
MST-720	ID only	7 x 18	1.5	16	37
MST-820	ID only	8 x 20	2.1	32	75
MST-930	ID only	9.5 x 26	3.6	85	199
MST-720-T	Temperature	7 x 20	1.5	15	37
MST-820-T	Temperature	8 x 22	2.3	31	74
MST-930-T	Temperature	9.5 x 28	4.0	83	195
MST-720-M	Motion	7 x 28	1.8	15	33
MST-820-M	Motion	8 x 28	2.8	30	66
MST-930-M	Motion	9.5 x 32	3.6	80	174
MST-720-MT	Motion & Temperature	7 x 28	1.6	15	32
MST-820-MT	Motion & Temperature	8 x 28	2.8	30	65
MST-930-MT	Motion & Temperature	9.5 x 32	4.5	79	173

1. Stated weight in air may vary by ±5%

Features and specifications subject to change without notice.

Technical specifications:
 Temperature sensor range: -6 °C to +34 °C
 Temperature accuracy/resolution: ± 0.8 °C/0.8 °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

MST 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](#).

