Lotek

MCFT2 Series

Technology: ((•)) **Radio**

Product: ⬭ **Tag**

Coded VHF radio transmitters

Lotek Microprocessor Coded Fish Transmitter technology was first introduced in 1994 as a means to reduce overall receiver scan time and thereby increase detection performance in applications where animals traverse a monitoring site at high rates of speed or in applications that require the monitoring of large numbers of uniquely identified individuals. Improvements incorporated over the years include faster and more efficient microprocessors (for longer operational life per size), highly flexible On/Off activation and variable Burst Interval schedules for extending operational life further, and real-time sensor data transmission technology (temperature and bimodal motion) to observe changes in animal behavior in reaction to environmental perturbations.

Options

- Extended life
- External attachment (increases length and weight)
- Sensors: temperature, motion

Features:

Temperature   Activity   Duty cycling

Standard for VHF radio monitoring of adult fish species

Over 700 (Lotek 5) unique animal IDs per frequency available

Motion and Temperature sensor data transmitted in real time

Product Applications

Long term (multi-year) studies, Fish passage evaluation, Microhabitat utilization, Monitoring of fish entrainment around hydro facilities during migration

Model	Physical specifications			Life [1] (days)	
	Size (ØxL) (mm)	Weight in air (g)	Weight in water (g)	2s interval	5s interval
MCFT2-3BM	11 x 43	8.0	3.7	184 / 306	444 / 723
MCFT2-3B	14 x 37	9.0	4.0	66 / 110	160 / 258
MCFT2-3EM	12 x 53	10	4.3	219 / 364	528 / 860
MCFT2-3FM	11 x 59	11	4.6	366 / 609	882 / 1432
MCFT2-3LM	12 x 69	13	5.4	340 / 566	819 / 1330
MCFT2-3A	16 x 46	16	6.7	574	1376
MCFT2-3L	16 x 73	25	11	1241	2929

1. Standard Life / Extended Life
All specifications subject to +5% manufacturing tolerance

Technical specifications:
Operating frequency: 140-175 MHz
Typical frequency separation: 10KHz

Activation Programming:
delay start, definable hourly/daily/weekly activation periods and burst rates, Asynchronous programming available

Warranty

MCFT2 tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 36 months. For Warranty terms and conditions, please review our Warranty Statement.