



## CEMG2 Series

Technology:  Radio

Product:  Tag



## Coded sensor transmitters

Based upon its predecessor (the EMG electromyogram transmitter), the coded electromyogram (CEMG2) transmitter represents one of the components of a field-proven system which enables researchers to record physiological data from free-swimming fish.

Designed to be mounted either externally or internally, CEMG2 transmitters measure muscle activity using probes inserted into the musculature of the fish. The CEMG2 Series provides you with a powerful quantitative estimate of the energetic costs associated with physical activity.

## Options

- Burst interval (BI) available from 2 to 60 seconds in 1 second increments

### Features:



Activity

### Coded capability:

Up to 212 unique IDs can be placed upon a single frequency.

### Compatible with Lotek VHF radio receivers:

SRX-DL3, SRX 400A W32, SRX 600 or SRX 800.

## Product Applications

Assessing velocity barriers such as those presented in natural or man made barriers, assessing the effect of temperature or chemical plumes, designing bypass structures by examining in-situ energy expenditures of fish.

Model	CEMG2-R11-18	CEMG2-R11-25	CEMG2-R11-35	CEMG2-R16-25	CEMG2-R16-33	CEMG2-R16-50
Weight in air (g)	10	12	15	25	29	33
Weight in water (g)	4.9	5.7	6.7	13	15	16
Size (ØxL) (mm)	11 x 54	11 x 62	11 x 72	16 x 62	16 x 70	16 x 87
Life (days)						
2s interval	51	74	104	178	245	356
5s interval	63	89	125	215	296	430

### Warranty

CEMG2 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 36 months. For Warranty terms and conditions, please review our [Warranty Statement](#).