

V9 Continuous Transmitters

Continuous pinger for real-time studies of small species



The **V9 continuous tag**, 9 mm in diameter, was developed to provide researchers with the means to track small and juvenile fish in real-time for behavioural studies. The V9s have been successfully implanted in salmon pre-smolts as small as 150 mm fork length. They feature rounded ends for better implant retention but have also been externally attached. The tags are shipped with a magnetic switch for easy activation.



V9 transmitter

Continuous Mode

In continuous transmission mode, the acoustic ping is sent as a fixed rate that is factory pre-set and typically between one and two seconds. This mode is ideal for real-time tracking studies. V9 continuous tags are used with the VR100 active tracking receiver.

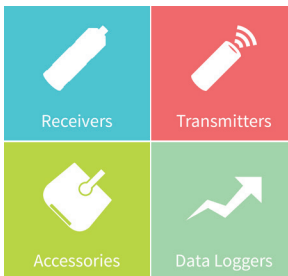
Available Frequencies

V9 continuous pingers are available in the following frequencies: 60, 63, 75, 78, 81 and 84 kHz and can be used with a number of hydrophone and receiver types. For information on specific applications of the V9 or for technical details, please contact VEMCO.

Physical Specifications

		Battery Option:			
		1L	1H	2L	2H
V9	Length (mm)	24	24	29	29
	Weight in air (g)	3.6	3.6	4.7	4.7
	Weight in water (g)	2.1	2.1	2.9	2.9
	Power Output (dB re 1uPa @1m)	146	151	146	151

Stated tag length, weight and output power are nominal. Small manufacturing variations can be expected. Please contact VEMCO sales for details on V9T temperature tag weights and lengths.



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Expected Battery Life

The V9 continuous pinger's life span depends on battery size (either 1 or 2), power output (high or low) and the ping period (in milliseconds). The table describes the life span of each battery type at the standard ping periods.

V9 pingers incur a small current drain prior to activation. Tag life will be reduced if tags are shelved for a significant period of time (months). V9 pingers should be activated within 6 months of delivery. Contact VEMCO for information.

Period	V9 Continuous Tags Battery Life (days)	
	V9-2L	V9-2H
1000ms	37	13
2000ms	68	25

Notes: The projected battery life is an estimate and users will experience a decrease in battery life if their tags are operating in extreme warm or extreme cold temperatures.

VEMCO transmitters are programmed to stop transmitting when they reach their stated battery life.

VEMCO tags are warranted to be free from defects in material and workmanship for one year from date of delivery.

Consult your VEMCO representative to determine the expected battery life for your study and for additional information regarding battery life.