

Continuous Transmitters

Transmitters that emit a continuous ping for use in real-time and active tracking studies of a wide variety of aquatic animals

The Vemco family of continuous transmitters provides researchers with the means to actively track movement patterns of a broad range of aquatic animals. Available in a variety of sizes (9mm, 13mm and 16mm in diameter), continuous tags can be used to track small, medium and large species.

In continuous transmission mode, the acoustic ping is sent at a fixed rate that is factory pre-set and typically between one and three seconds making this mode ideal for real-time tracking studies.



Tag Sensor Options

For research requiring temperature and depth information, V9, V13 and V16 continuous tags can be equipped with temperature (T) or depth (P), or both temperature and depth sensors (TP).



Temperature Sensors (V9, V13, V16)		
Range	Accuracy	Resolution
-5 to 35 °C	±0.5 °C	0.15 °C
-4 to 20 °C	±0.5 °C	0.1 °C
0 to 40 °C	±0.5 °C	0.15 °C
10 to 40 °C	±0.5 °C	0.12 °C

V13 and V16 Pressure Sensors (at room temperature)		
Max Depth	Accuracy	Resolution
17 m	±1.7 m	0.075 m
34 m	±1.7 m	0.15 m
68 m	±3.4 m	0.3 m
136 m	±6.8 m	0.6 m
204 m	±10 m	0.9 m
340 m	±17 m	1.5 m
680 m	±34 m	3.0 m

V9 Pressure Sensors (at room temperature)		
Max Depth	Accuracy	Resolution
17 m	±0.5 m	0.075 m
34 m	±0.5 m	0.15 m
68 m	±1.0 m	0.3 m
136 m	±1.0 m	0.6 m
204 m	±1.0 m	0.9 m
290 m	±2.0 m	1.28 m

Case Options

The V16 comes in two case styles. The internally implanted unit comes in an epoxy case with rounded ends. The externally mounted unit is made of PVC with attachment holes at either end. The externally mounted unit is 18 mm in diameter and is approximately 19 to 23 mm longer than the internal V16 depending on the model.



Pair With

Continuous transmitters are used as a system with the:

- » VR100 Active Tracking Receiver
- » Omni-directional and Directional Hydrophones (69 kHz)



PRODUCT SPECIFICATIONS

Tag Family	Diameter (mm)	Frequencies (kHz)	Length (mm), Min - Max	Weight in Air (g) Min - Max	Power Output (dB re 1 uPa @ 1m)	Sensors*	Battery Life (days)** 1000 ms	Battery Life (days)** 2000 ms
V9	9 mm	60, 63, 75, 78, 81, 84	24 - 31	3.6 - 4.9	146 - 151	T, P, TP	35	69
V13	13 mm	60, 63, 75, 78, 81, 84	30.5 - 39	9.2 - 11	147 - 152	T, P, TP	66	129
V16	16 mm	51, 54, 60, 63, 75, 78, 81, 84	68 - 98	24 - 36	152 - 162	T, P, TP	752	1389

* T - Temperature, P - Pressure, TP - Temperature/Pressure

** Battery life examples simulated for standard continuous tags without sensors

Ready to Get Started? [Contact us](#) today.

About Innovasea

Innovasea designs the world's most technologically advanced aquatic solutions for fish tracking and builds them to withstand the toughest conditions. It's all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. Today. Tomorrow. For life.



www.innovasea.com/fish-tracking

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