

Acoustic Data Storage Tag (ADST)



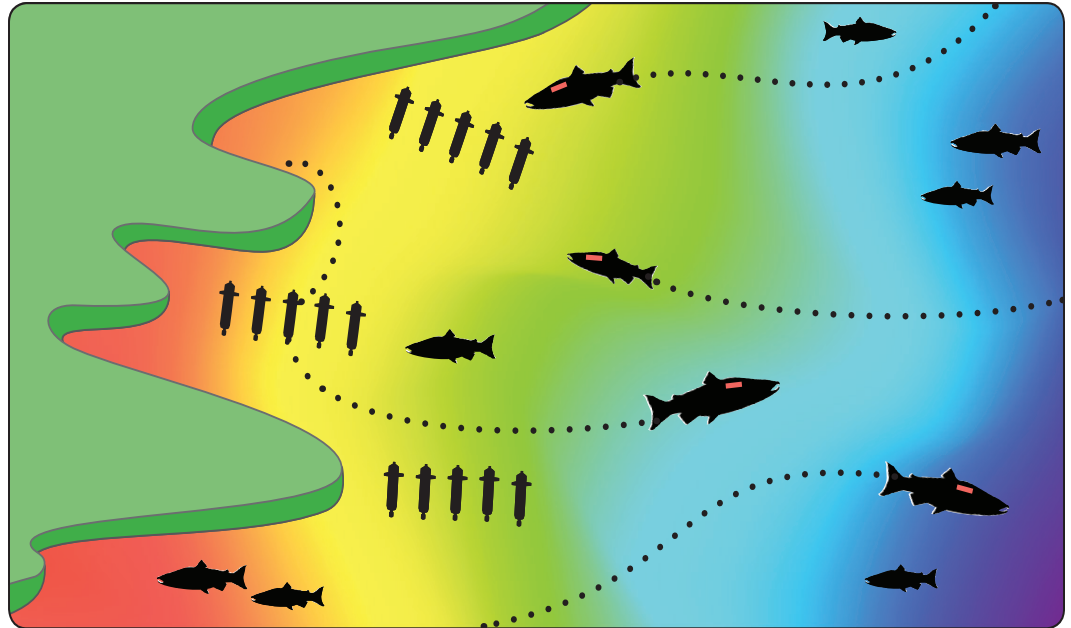
Why double tag when one will do? Introducing VEMCO's combined acoustic transmitter and data storage tag



Data Loggers



Transmitters



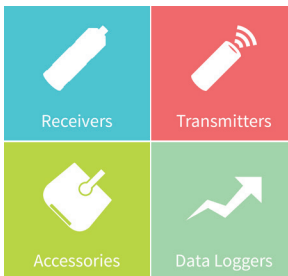
The Acoustic Data Storage Tag (ADST) both acoustically transmits and internally stores essential sensor data, providing you data on behaviour when fish are outside of your receiver array.

The ADST is based on the V9TP and the V13TP with an additional memory feature that stores telemetry sensor data such as temperature and/or depth. When an ADST is recovered, you have access to all of the sensor data taken throughout the life of the tag.

Since data storage tags are often recaptured through commercial fisheries, the ADST features a bright orange casing to increase the likelihood of recovery. It can also be ordered with the option of positive buoyancy.

Key Features

- ▶ Memory capacity stores more than 500,000 sensor samples
- ▶ Data retention of greater than 10 years
- ▶ Compatible with existing VEMCO 69 kHz acoustic receivers
- ▶ Configurable sampling and storing rates for each sensor as well as the acoustic transmission rate
- ▶ Available in positively buoyant option
- ▶ Bright orange case to increase visibility and likelihood of recovery



Tel: (902) 450-1700
Fax: (902) 450-1704

www.vemco.com

Physical Specifications				
	V9	V9 Float	V13	V13 Float
Length (mm)	43	65	43	75
Diameter (mm)	9	13	13	16
Weight in air (g)	6	8.5	11.5	14.2
Power (dB)	146 / 151	146 / 151	149 / 154	149 / 154

Temperature Sensor		
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

General Specifications	
Frequency	69 kHz
Sample Capacity	Can store > 500,000 8-bit samples total
Transmitting Delay	Programmable
DST Sampling Rate	Programmable
Data Retention	10+ years

Pressure Sensor (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

V9TP ADST Projected Battery Life (Days)				
	T&P DST Delay	Ping Delays (s)		
		60	120	180
High Power	120	112	201	280
Low Power	120	289	468	600

V13TP ADST Projected Battery Life (Days)				
	T&P DST Delay	Ping Delays (s)		
		60	120	180
High Power	120	244	432	593
Low Power	120	749	1146	1409

15 second DST delay will fill memory log in 45 days.
 120 second DST delay will fill memory log in 360 days.