

VR100-300 Receiver and Deckbox

Track a wide variety of aquatic animals in real-time or use as a deckbox for remote communication with passive transponding receivers

The VR100-300 is a multipurpose acoustic receiver used for real-time manual tracking of aquatic animals from vessels, and as a surface deck box for remote communication with Vemco transponding receivers.

Use the VR100-300 with a VHTx transponding hydrophone to communicate with deployed receivers to locate units and get health and detection statistics, or monitor and decode transmitters in your animals for real-time tracking. The receiver also enables remote release of deployed VR2AR receivers.

The VR100-300 decodes all Vemco coded and continuous tags and, depending on transmitter type, can also collect sensor data such as temperature, depth, acceleration and predation.



Use Cases

- » Track a wide range of aquatic species from salmon smolts to sharks in real-time
- » Obtain status of passive transponding receivers (HR3, HR2, VR2Tx, VR2AR) while they are still deployed such as unit health, number of detections, tilt, range, temperature, and estimated remaining battery life and memory
- » Test and verify efficacy of transmitters in a laboratory environment prior to surgical implantation in animals
- » Use for range testing to optimize study design

Benefits

- » Wide dynamic range allows simultaneous detection of near and distant tags without gain adjustment
- » Improved sensitivity and noise rejection over conventional analog receivers
- » GPS time / position display and data logging
- » Decodes all Vemco coded and continuous transmitters
- » USB communication link
- » Splash resistant case
- » Configure unit and offload data with Fathom Connect PC Software

Pair With

The VR100-300 receiver is used as a system with:

- » All Vemco Continuous Tags
- » Omni-directional and Directional Hydrophones (69 and 180 kHz) for active tracking
- » Transponding Hydrophones (VHTx-69, VHTx-180 and VHTx-307 kHz) for remote communication with deployed transponding passive receivers
- » Fathom Connect PC Software for unit configuration and data offload



PRODUCT SPECIFICATIONS



Frequency

12 to 307 kHz

Weight

6.5 kg (with gel cell)

Dimensions (Approx)

34 cm x 32 cm (with handle extended) x 15 cm

Battery Life (Approx)

12 hours with back light off

PC Communications

Computer controlled via USB

Gain Control

Automatic or manual

Display

4 x 20 character LCD display

Signal Strength Meter

LCD displays relative signal strength numerically and graphically

Compatible Transponding Receivers

VHTx-69, VR2AR-69, HR2-180, HR3-307

Hydrophones Type

VR100 Omni-directional, Directional and Transponding Hydrophones

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.



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