

VHTx-180k Transponding Hydrophone

Communicate with deployed High Residence Receivers (HR2)

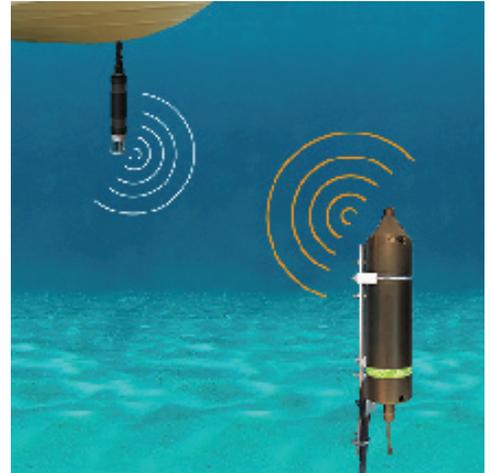


The **VHTx-180k** is an omnidirectional transponding hydrophone used to communicate with the HR2 receiver. The VHTx transponding hydrophone maintains all of the features of the VH180 and is used with the VR100 receiver to locate and track ultrasonic transmitters on

passing fish or equipment. The VHTx operates at 180 kHz frequency. The hydrophone is protected by a cage and is weighted to aid in lowering the hydrophone into water.



The VHTx transponding hydrophone pictured with the HR2 and VR100.



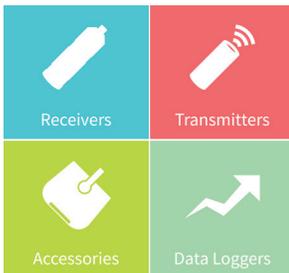
The VHTx transponding hydrophone shown communicating from the surface with an HR2 receiver.

Specifications

Frequency	180 kHz
Tag compatibility	All VEMCO 180 kHz PPM tags
Receiver compatibility	VR100
Operational temperature range	-5°C to +40°C (water must not freeze)
Case (dimensions and material)	41.275 mm diameter x 210 mm; Black acetal with a 304 stainless steel cage
Weight in air	2370 g (including cable)
Cable type and available lengths	Shielded twisted, polyurethane jacket cable with a minimum bend radius of 4 inches; Length: 25 meters (standard)
Uses	Use with the VR100 to detect VEMCO 180 kHz tags and to transpond with VEMCO HR2 receivers.

Tips

1. The VHTx is weighted and, depending on the current in the area, should not need additional weight to keep it at depth. If additional weight is required, be sure to use a separate rope to hold the weight and use strain-relief techniques to keep the hydrophone cable from being strained.
2. Turn off boat motor and depth sounder to reduce acoustic interference.



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