

VHTx-69k Transponding Hydrophone

Communicate with deployed VR2Tx and VR2AR receivers

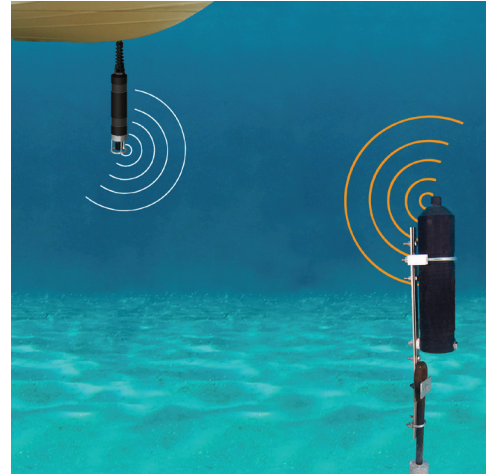


The **VHTx-69k** is an omni-directional transponding hydrophone used to communicate with the VR2Tx Transceiver and the VR2AR Acoustic Release and Transceiver. The VHTx transponding hydrophone maintains all of the features of the VH165 and is used with the VR100 receiver to locate and track ultra-

sonic transmitters on passing fish or equipment. The VHTx operates within the 50kHz to 85kHz frequency range. The hydrophone is protected by a cage and is weighted to aid in lowering the hydrophone into water.



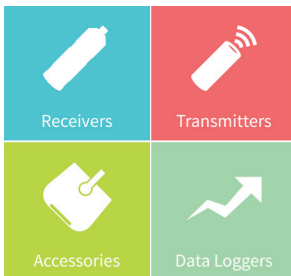
The VHTx transponding hydrophone pictured with the VR2AR and the VR100.



The VHTx transponding hydrophone shown communicating with a VR2Tx from the surface.

Specifications

Frequency range	50kHz – 85kHz
Tag compatibility	V7, V8, V9, V13, V16, VMT
Receiver compatibility	VR100-200
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	2434 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	Omni-directional hydrophone detects pings from any direction and transmits in all directions. Use with VR100-200 for acoustic communication with transponding receivers (VR2Tx and VR2AR).
Maximum tow speed	Not recommended
Preamplifier gain	50 dB nominal



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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