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VH110 Directional Hydrophone

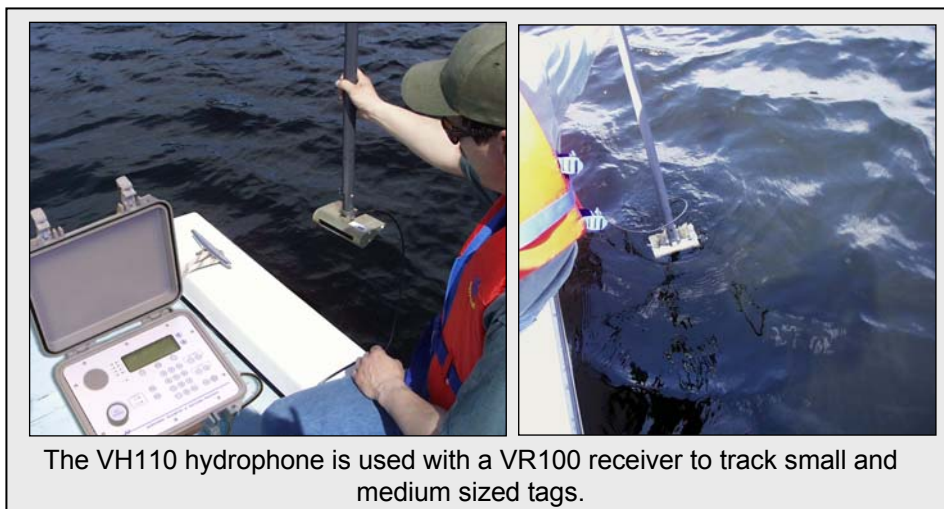
Rugged, reliable high frequency hydrophone

Hydrophones



The VH110 directional hydrophone is hydro-dynamically shaped so that it can easily move through water while receiving acoustic signals. The VH110 is used with the VR100 receiver to locate and track ultrasonic transmitters on passing fish or equipment. The frequency range for the VH110 is 50 to 84 kHz, which makes it suitable for reception of V7, V9, V13, and V16 size ultrasonic transmitters.

The VH110 is rugged, reliable and has been used throughout the world as a fish tracking hydrophone.



The VH110 hydrophone is used with a VR100 receiver to track small and medium sized tags.

Performance specifications for the VH110 are as follows:

Frequency	50	60	70	80	kHz
Sensitivity	-144	-141	-142	-145	dB re 1 μ Pa @ 1 m
Noise Floor	21	20	21	23	dB re 1 μ Pa/Hz ⁻²
Horizontal Beamwidth	30	26	22	18	Degrees between 3 dB points
Vertical Beamwidth	150	150	150	150	Degrees between 3 dB points

Physical specifications for the VH110 are as follows:

Power Supply	10 to 14.4 Volts DC, 5 mA.
Cable	10 m - Shielded twisted pair, polyurethane jacket.
Connector	MS3106A10SL-3S
Dimensions	95 mm x 83 mm x 32 mm
Housing Material	Machined from solid 6061-T6 aluminum
Preamplifier Gain	50 dB

Contact us

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Specifications may change without notice.