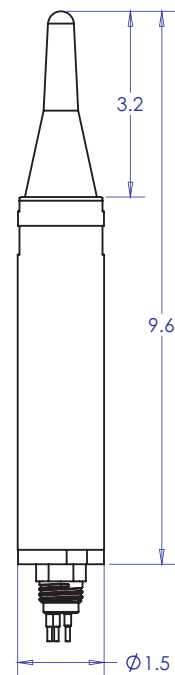


SPHERICAL HYDROPHONE

SQ42-00



The SQ42-00 hydrophone is made with a piezoelectric ceramic sphere. The piezo element offers transmit capability at a 320 kHz resonance and a broadband receive capability. Mounting options and connector types can be modified to meet customer requirements. The piezo sphere can also be wired in series, to increase receive sensitivity. The SQ42-00 can be paired with a preamplifier with a standard 40 dB gain, for an effective sensitivity of -175 dB. Custom preamps are available. Contact us to discuss your specific requirements.



TRANSMIT SENSITIVITY 143 dB re 1 μ Pa/V @ 1 m

RECEIVE SENSITIVITY -215.0 dB re 1 V/ μ Pa @ 20°C

RESONANCE FREQUENCY 320 kHz

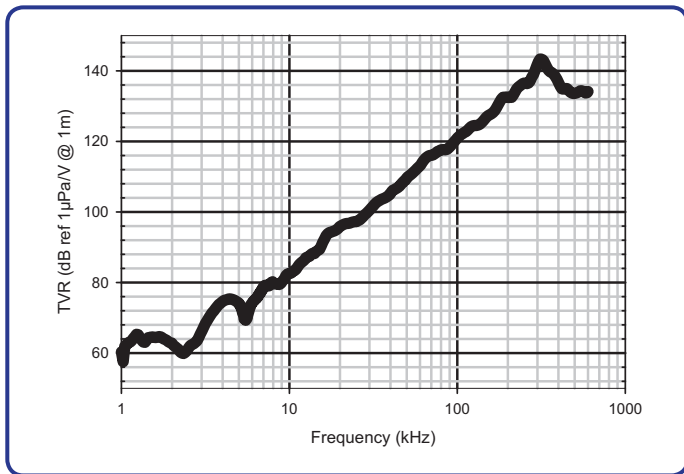
CAPACITANCE 1.8 nF \pm 15% @ 20°C

OPERATING DEPTH 3500 m

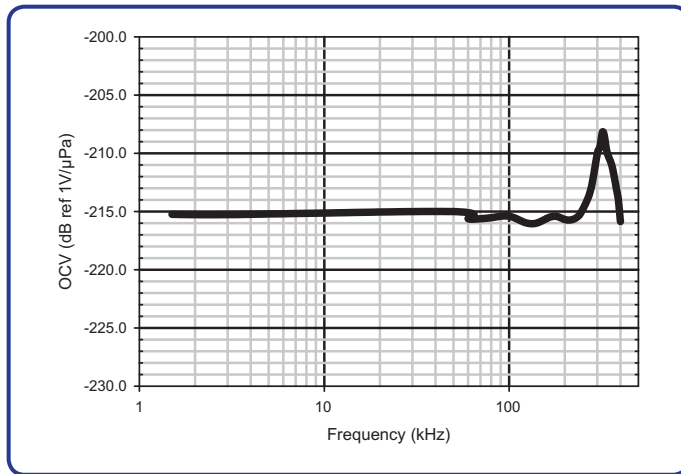


SPHERICAL HYDROPHONE

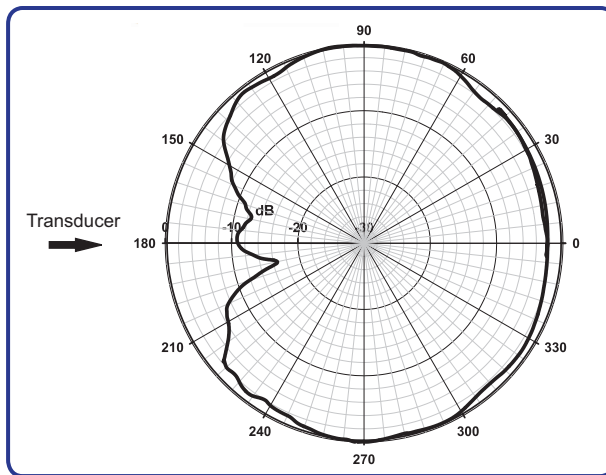
SQ42-00



Transmit Voltage Response



Receive Voltage Response



Directivity Pattern at 50 kHz, Axial Plane

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