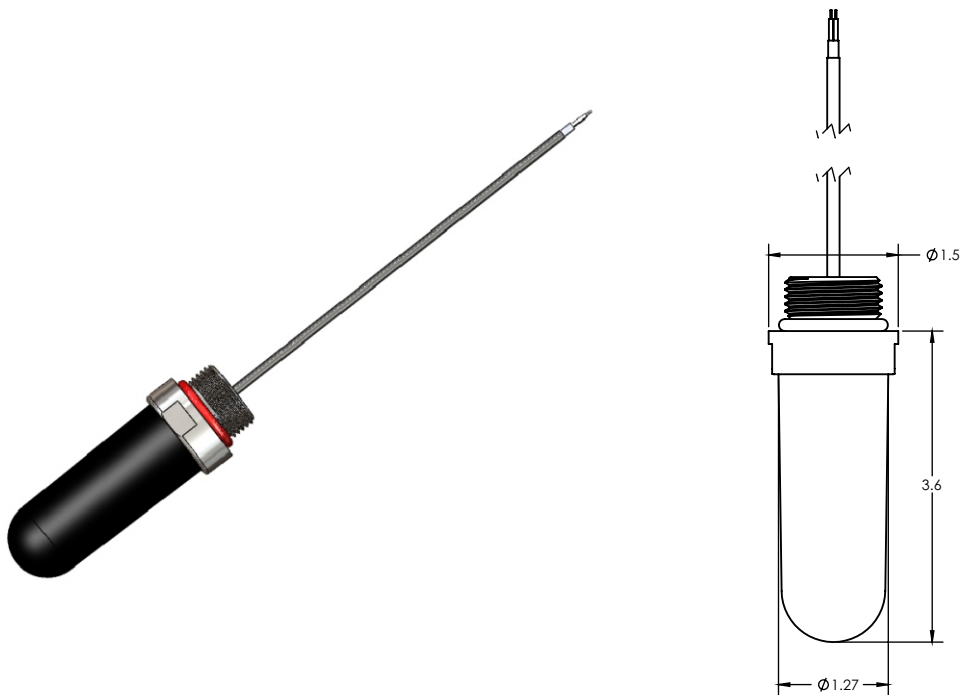


SPHERICAL HYDROPHONE

SQ91-00

SENSOR
TECHNOLOGY

The SQ91-00 hydrophone is made with a piezoelectric ceramic sphere. The large 1" piezo element offers a high receive sensitivity of -192.5 dB with a broadband receive capability at a 63 kHz resonance. The SQ91-00 is wired in series and can be paired with a preamplifier with a standard 40 dB gain, for an effective sensitivity of -152.5 dB. Mounting points, connectors, and other parameters can all be customized. Please contact us to discuss your specific requirements.

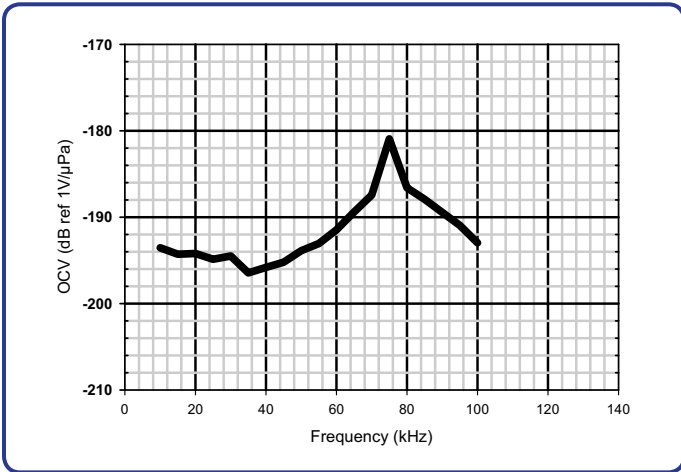


RECEIVE SENSITIVITY	-192.5 dB re 1 V/ μ Pa @ 20°C
RESONANCE FREQUENCY	63 kHz
CAPACITANCE	3.5 nF \pm 15% @ 20°C
OPERATING DEPTH	3000 m

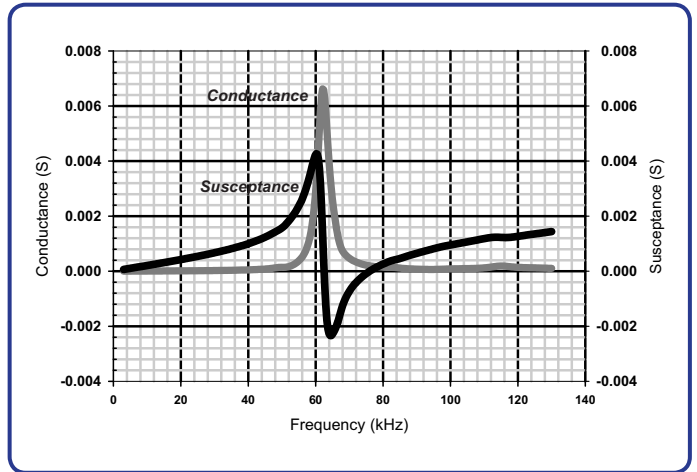


SPHERICAL HYDROPHONE

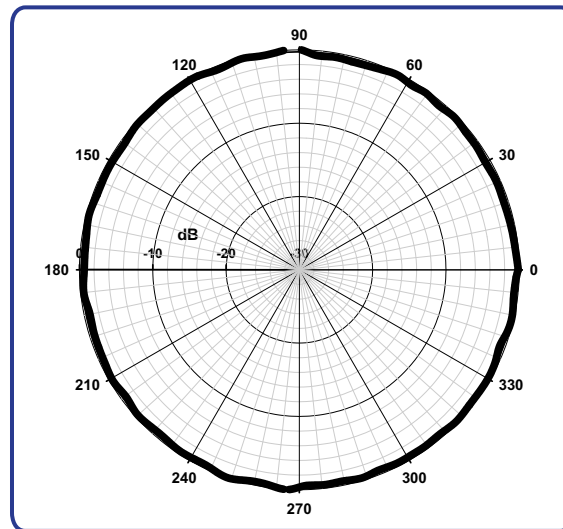
SQ91-00



Receive Voltage Response



Conductance-Susceptance Response



Directivity Pattern at 50 kHz, Axial Plane

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