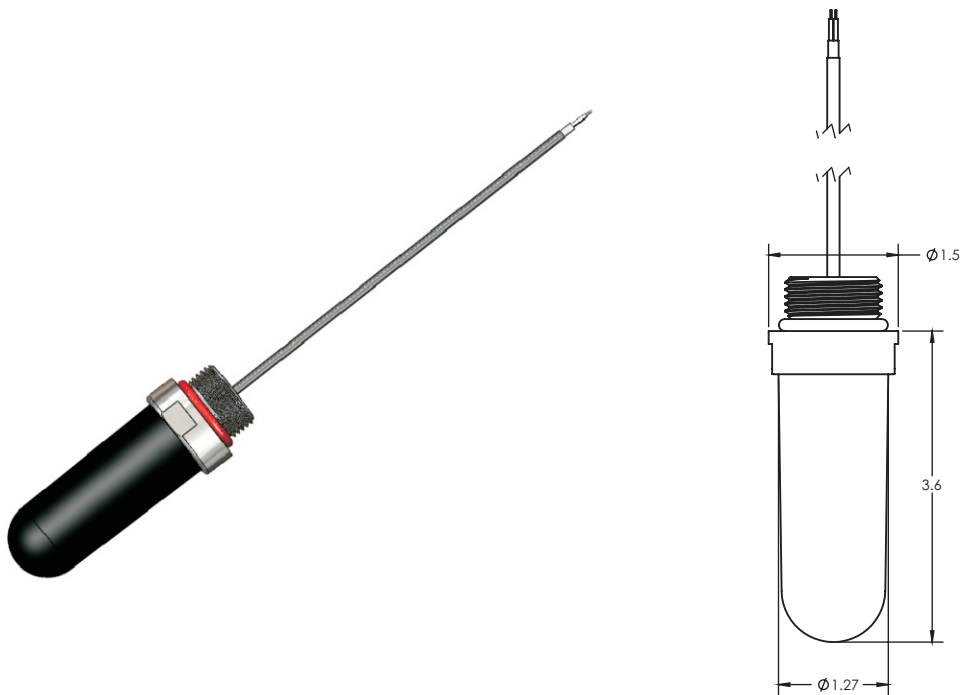


SPHERICAL HYDROPHONE

SQ91-00



The SQ91-00 hydrophone is made with a piezoelectric ceramic sphere and is comparable to the RESON TC4037. 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 can be wired in series, to increase receive sensitivity further, 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 -198.5 dB re 1 V/ μ Pa @ 20°C

RESONANCE FREQUENCY 63 kHz

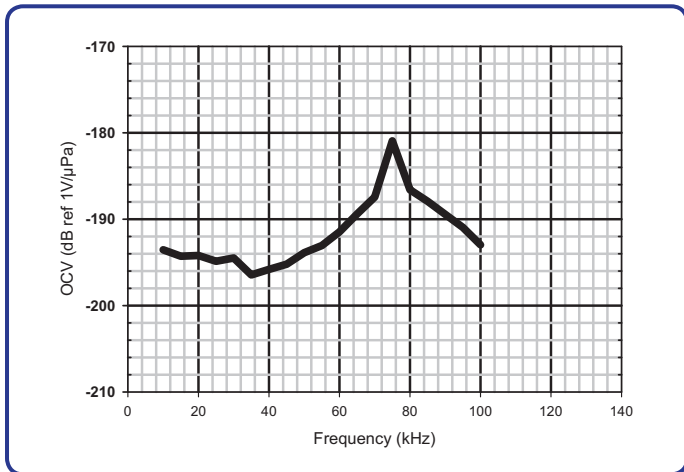
CAPACITANCE 11.4 nF \pm 15% @ 20°C

OPERATING DEPTH 3000 m

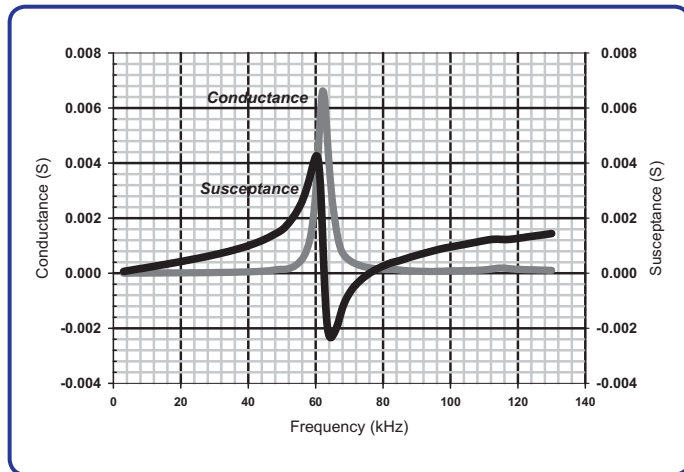


SPHERICAL HYDROPHONE

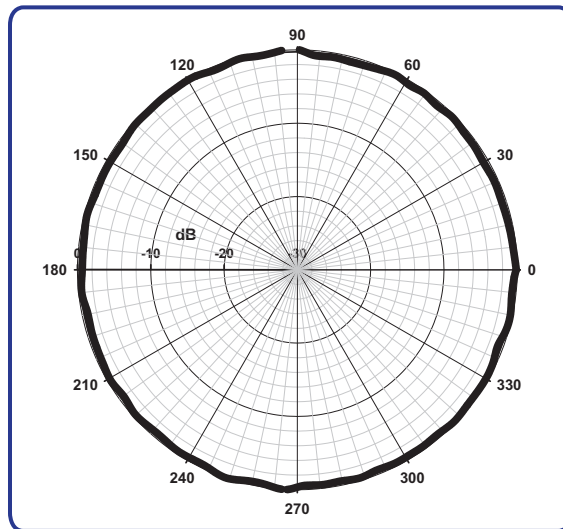
SQ91-00



Receive Voltage Response



Conductance-Susceptance Response



Directivity Pattern at 50 kHz, Axial Plane

Contact Us via:
info@sensortechcanada.com +1-705-444-1440
www.sensortechcanada.com