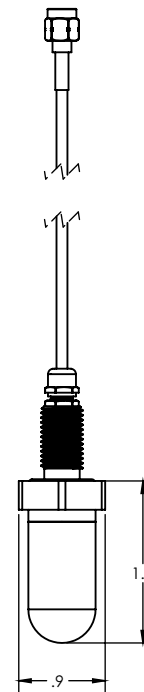


SPHERICAL HYDROPHONE

SQ112-00

SENSOR
TECHNOLOGY

The SQ112-00 hydrophone is made with a piezoelectric ceramic sphere. The piezo element offers transmit capability at a 200kHz 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. Similar designs can also be made with larger or smaller spheres. Contact us to discuss your specific requirements.



TRANSMIT SENSITIVITY 146 dB re 1 μ Pa/V @ 1m

RECEIVE SENSITIVITY -208.0 dB re 1 V/ μ Pa @ 20°C

RESONANCE FREQUENCY 200 kHz

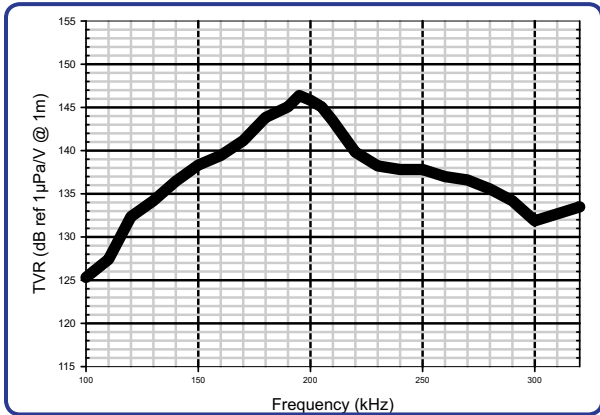
CAPACITANCE 2.5 nF \pm 15% @ 20°C

OPERATING DEPTH 500 m

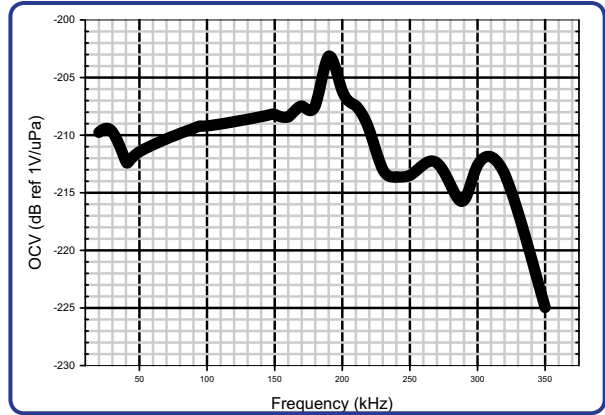


SPHERICAL HYDROPHONE

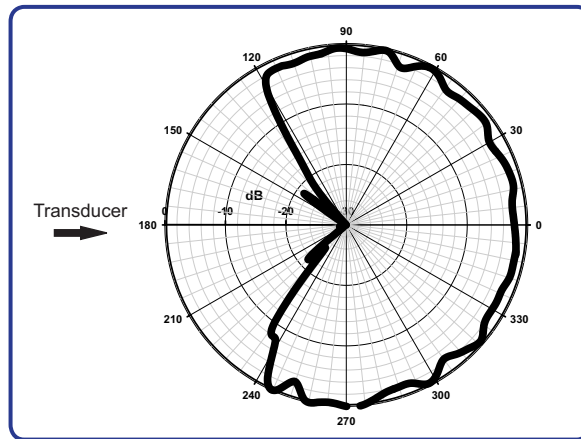
SQ112-00



Transmit Voltage Response



Receive Voltage Response



Directivity Pattern at 200 kHz, Axial Plane

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