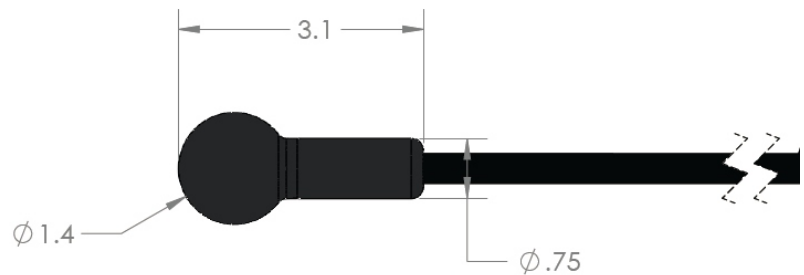
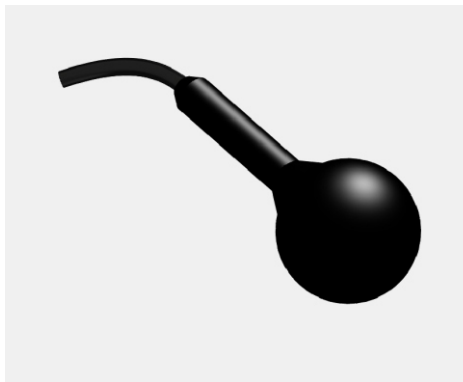


SPHERICAL TRANSDUCER

SX153-00

SENSOR
TECHNOLOGY

The SX153-00 transducer is made with a piezoelectric ceramic sphere and is comparable to the ITC-1042. The piezo element offers omnidirectional transmit capability at a 79 kHz resonance and a broadband receive capability from 1-100 kHz. The SX153-00 can be wired in series and custom preamps are also available to increase receive sensitivity. Piezo spheres are mechanically robust, allowing good depth ratings and better tolerances against mechanical shock. Mounting options and connector types can be modified to meet customer requirements. Contact us to discuss your specific requirements.



TRANSMIT SENSITIVITY 148 dB re 1 μ Pa/V @ 1 m

RECEIVE SENSITIVITY -202 dB re 1 V/ μ Pa @ 20°C

RESONANCE FREQUENCY 79 kHz

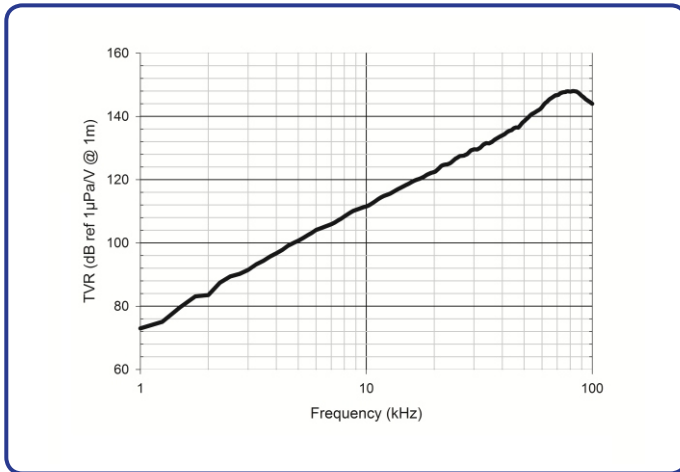
CAPACITANCE 12 nF \pm 15% @ 20°C

OPERATING DEPTH 1250 m

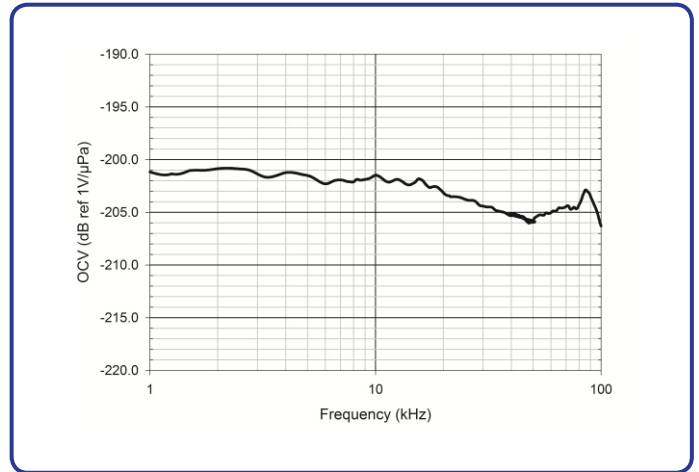


SPHERICAL TRANSDUCER

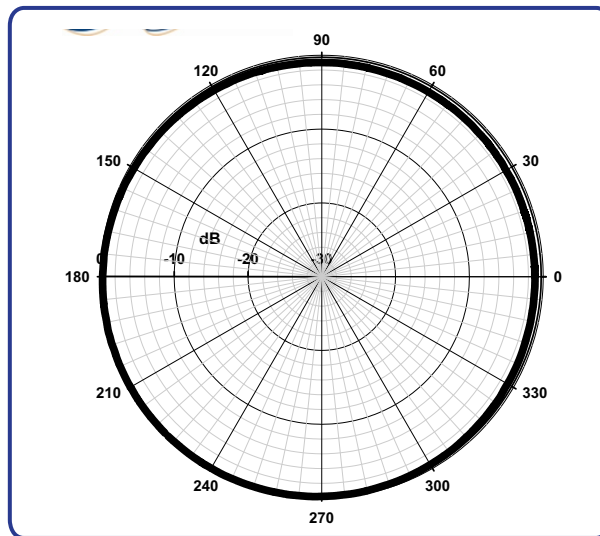
SX153-00



Transmit Voltage Response



Receive Voltage Response



Directivity Pattern at 20 kHz, Radial Plane

Contact Us via:
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