MODEL D/60

- OMNI-DIRECTIONAL RESPONSE
- LOW NOISE PERFORMANCE
- ACOUSTIC REFERENCE STANDARD
- BROADBAND OPERATION
- AIR GUN & BOOMER MONITOR
- MARINE MAMMAL AUDIO SENSOR

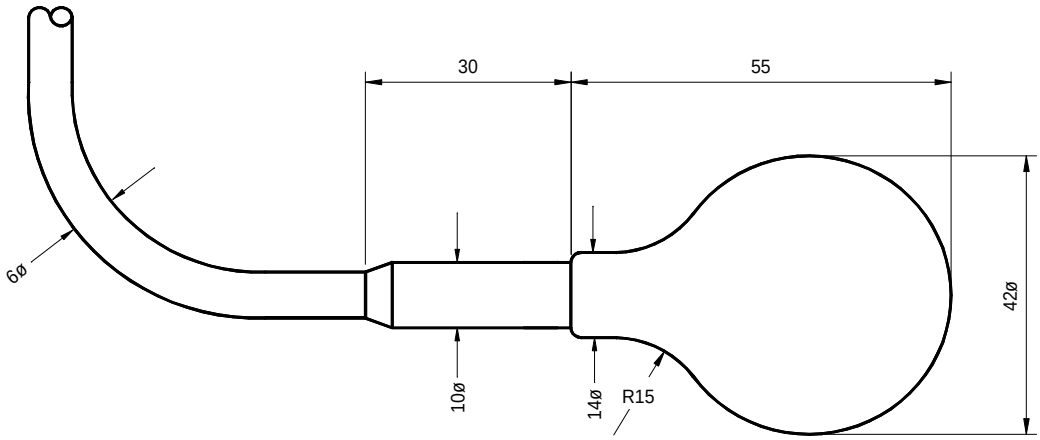
The D/60 transducer offers a combination of broadband frequency response, omni-directional beam pattern and high sensitivity.

A versatile transducer with a wide range of transmitting and receiving applications the D/60 is equally at home as a cost effective, general purpose hydrophone or as a precision, acoustic sensor in a scientific measurement system.

The all moulded construction coupled with the inherent strength of the PZT ceramic sphere achieves a lightweight, corrosion free and extremely robust design making it the ideal choice as a monitor hydrophone for air gun, boomer and other harsh environments where high levels of shock are experienced.

Electrical connection to the transducer is by a low noise coaxial cable. The outer jacket of the cable is in an extruded polyurethane material, that easily facilitates the potting of the transducer into underwater equipment pods or connectors.

The D/60 is available with or without acoustic calibration. All calibrations are traceable to National Standards.



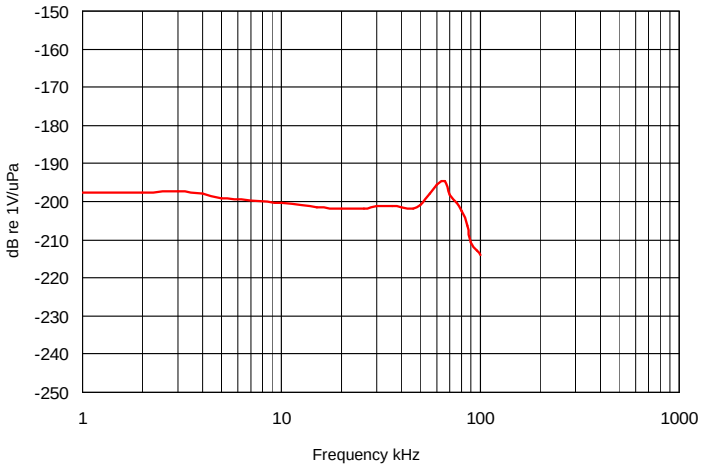
All dimensions in mm

MODEL D/60

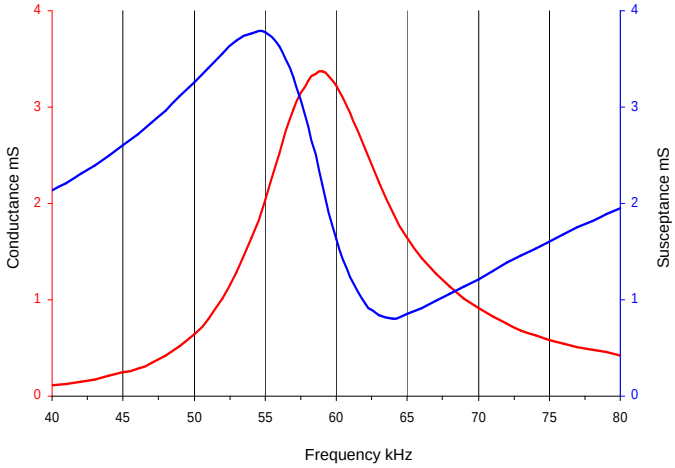
Spherical Transducers

Technical Specification	
Resonant Frequency	60 kHz (Nominal)
Beam Pattern	Omni ± 1 dB up to 70 kHz
Receive Sensitivity	See Graph
Transmit Sensitivity	See Graph
Capacitance at 1 kHz	9800 pF
Input Power	225 Watts around resonance
Operating Depth	1500 Metres
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Polyurethane Ø6mm Low Noise Coaxial
Cable Length	10 metres standard Additional lengths supplied to order

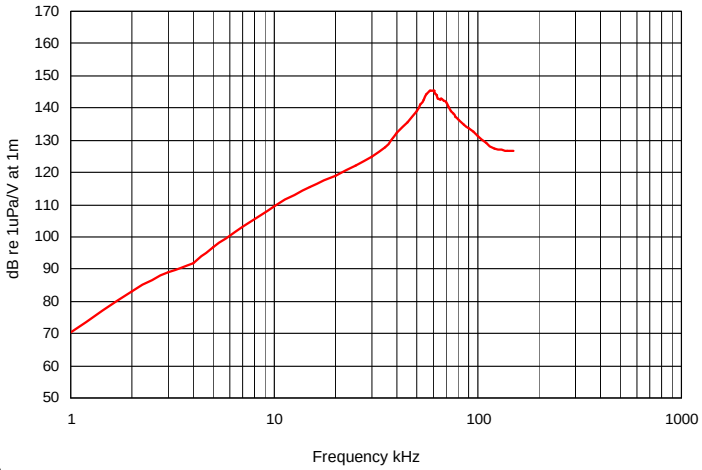
Receive Graph



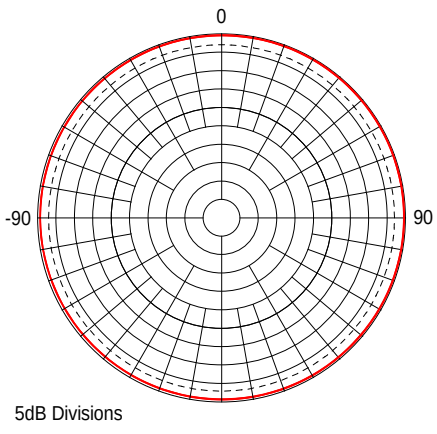
Admittance Plot



Transmit Graph



Beam Pattern at 60 kHz



Data illustrated is taken from actual in-water measurements