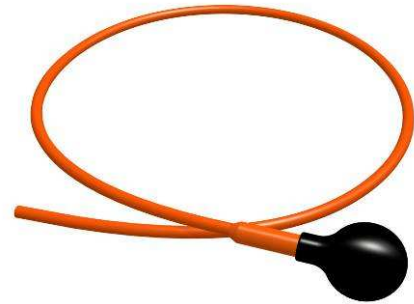


- OMNI-DIRECTIONAL RESPONSE
- LOW NOISE PERFORMANCE
- ACOUSTIC REFERENCE STANDARD
- BROADBAND OPERATION
- AIR GUN & BOOMER MONITOR
- MARINE MAMMAL AUDIO SENSOR



With a combination of broadband frequency response, omni-directional beam pattern and high sensitivity the D/70 has become the most popular hydrophones in the Neptune range of "D" type spherical transducers.

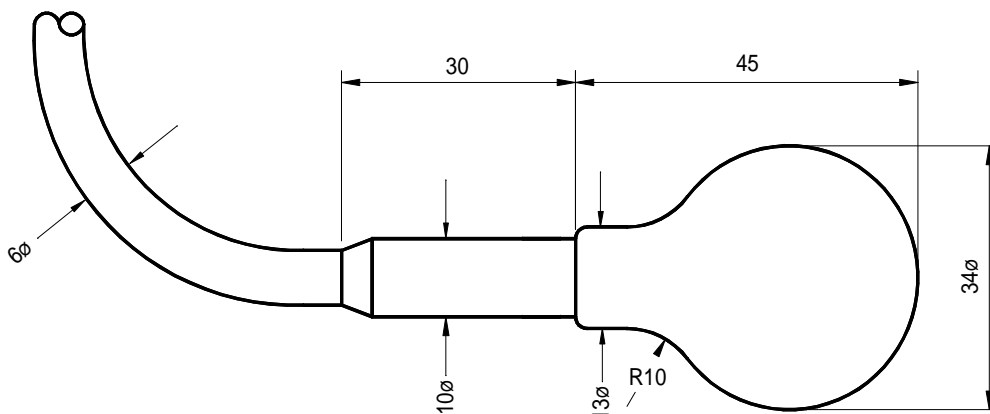
The all moulded construction and inherent strength of the PZT ceramic sphere achieves a robust, light weight, corrosion free design making it the ideal choice as a monitor hydrophone for air gun, boomer and other environments where high levels of shock are experienced.

Electrical connection to the transducer is by a low noise coaxial cable. The extruded polyurethane outer jacket of the cable enables the design engineer to build the transducer into customised equipment packages and readily obtain a waterproof seal by simple moulding techniques.

The D/70 is available with or without acoustic calibration. All calibrations are traceable to National Standards.

**This product is stocked by our world-wide distributor**

**GSE Rentals Ltd, Aberdeen**  
**Tel: +44 (0) 1224 771247**  
**Fax: +44 (0) 1224 723116**  
**E Mail: [info@gserentals.co.uk](mailto:info@gserentals.co.uk)**



All dimensions in mm

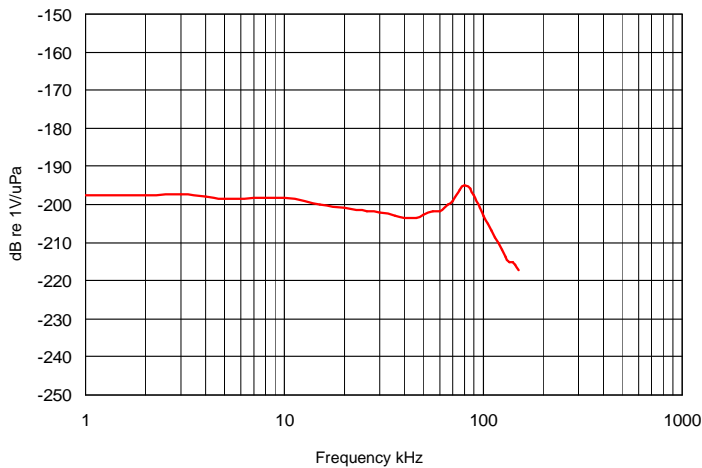
# MODEL D/70

# Spherical Transducers

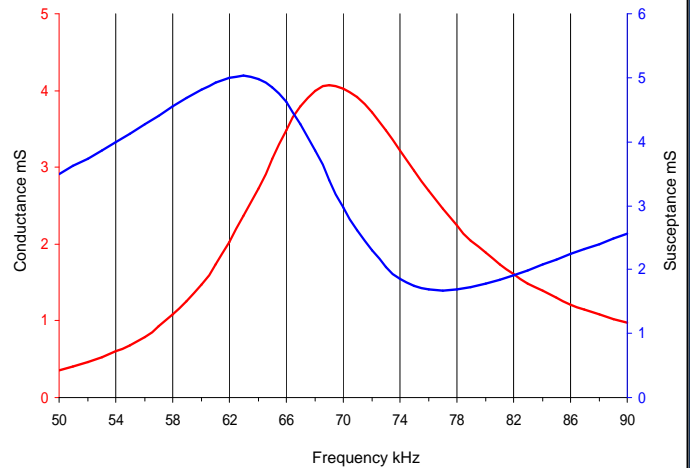
## Technical Specification

Resonant Frequency	70 kHz (Nominal)
Beam Pattern	Omni $\pm 1$ dB up to 80 kHz
Receive Sensitivity	See Graph
Transmit Sensitivity	See Graph
Capacitance at 1 kHz	9300 pF
Input Power	190 Watts around resonance
Operating Depth	1500 Metres
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Polyurethane $\varnothing 6$ mm Low Noise Coaxial
Cable Length	10 metres standard Additional lengths supplied to order

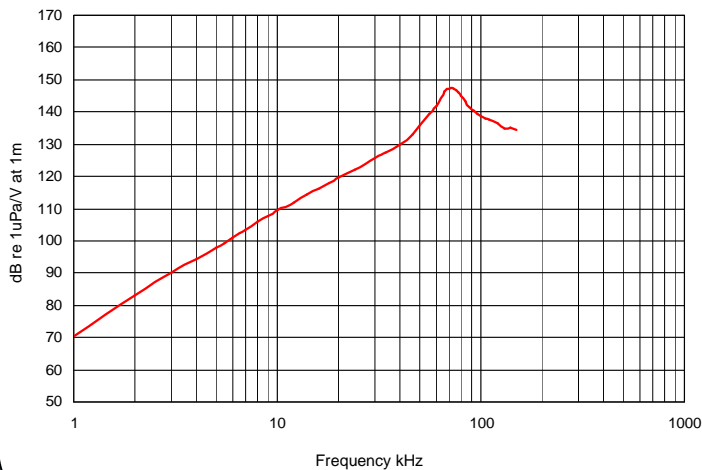
Receive Graph



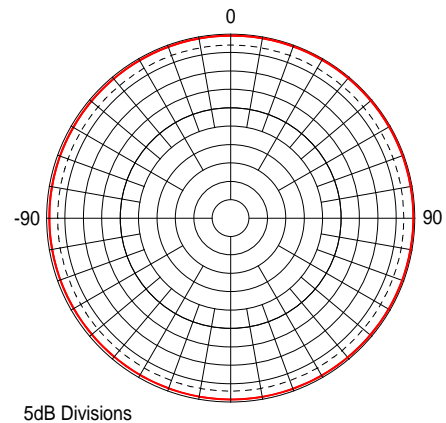
Admittance Plot



Transmit Graph



Beam Pattern at 70 kHz



Data illustrated is taken from actual in-water measurements