

- WIDE BAND RESPONSE
- LOW NOISE PERFORMANCE
- ACOUSTIC REFERENCE STANDARD
- OMNI BEAM PATTERN
- HIGH PERFORMANCE
- DOUBLE-SCREENED CABLE



The B/200 miniature hydrophone has been designed by Neptune to achieve the optimum combination of frequency, physical size and receive sensitivity. This has resulted in a hydrophone with a wide variety of applications ranging from marine mammal sound studies to the analysis of near field pressure patterns.

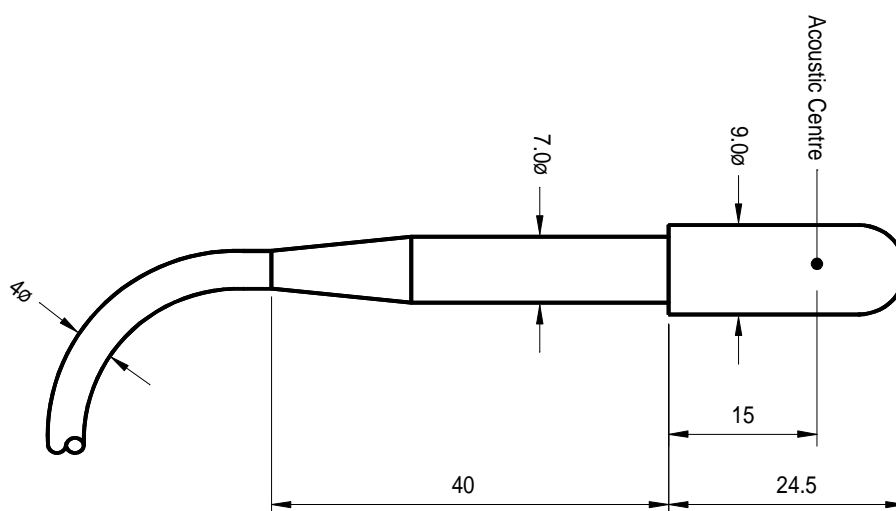
The elimination of metal components from the construction prevents corrosion and reduces of the sound field distortion and scattering.

With its all-moulded construction, the B/200 is completely waterproof down to a depth of 700 metres.

Electrical connection is by a double screened, low noise coaxial cable with a polyurethane outer sheath.

The versatility of the B/200 is further enhanced by selecting materials for the hydrophone stalk and outer cable sheath that enable the hydrophone to be bonded or moulded directly into waterproof housings.

The B/200 is available as a calibrated or un-calibrated device with all calibrations traceable to National Standards.

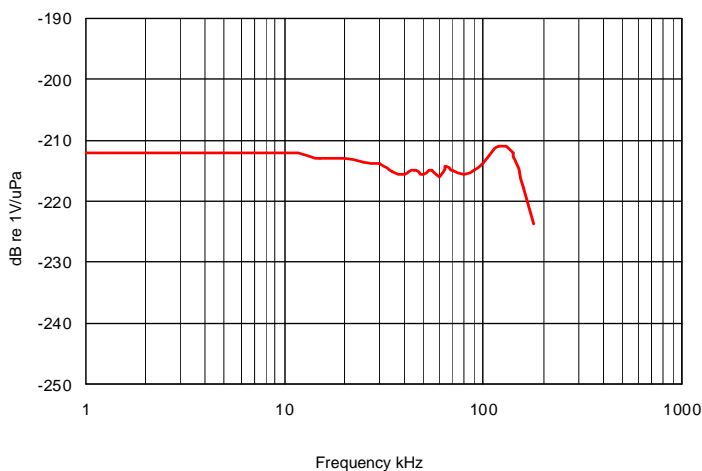


All dimensions in mm

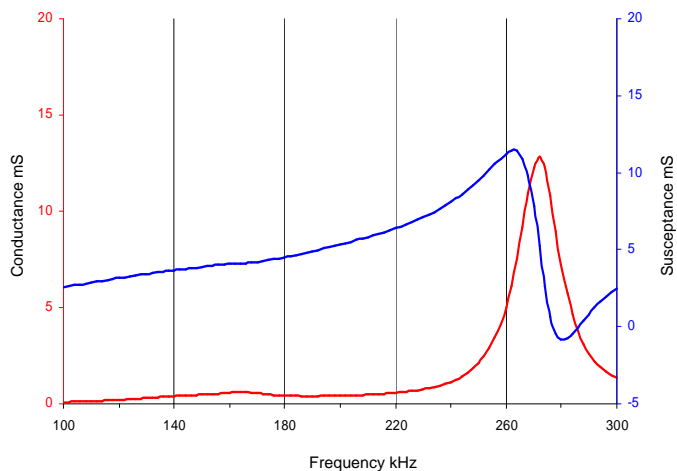
Technical Specification

Resonant Frequency	270 kHz (Nominal)
Beam Pattern Circumferential	Omni ± 2 dB at 100kHz
Beam Pattern Horizontal	270° ± 3 dB at 100kHz
Receive Sensitivity	See Graph
Transmit Sensitivity	See Graph
Capacitance at 1 kHz	3800 pF
Operating Depth	700 Metres
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Polyurethane Ø4mm Double Screened Low Noise Coaxial
Cable Length	10 metres standard Additional lengths supplied to order

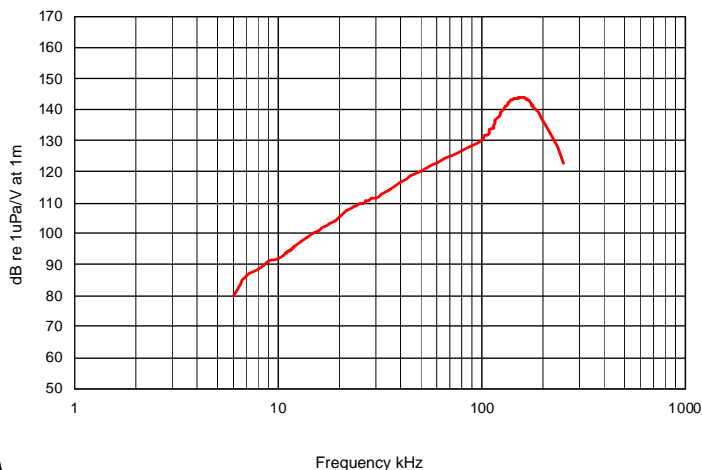
Receive Graph



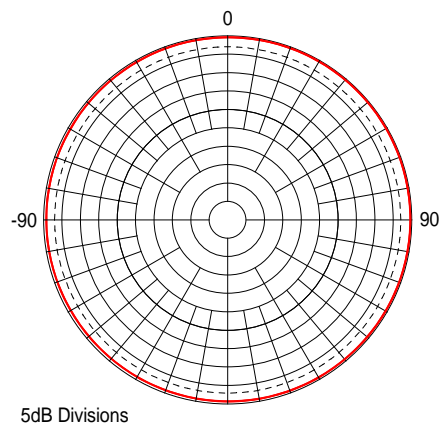
Admittance Plot



Transmit Graph



Beam Pattern at 100 kHz



Data illustrated is taken from actual in-water measurements