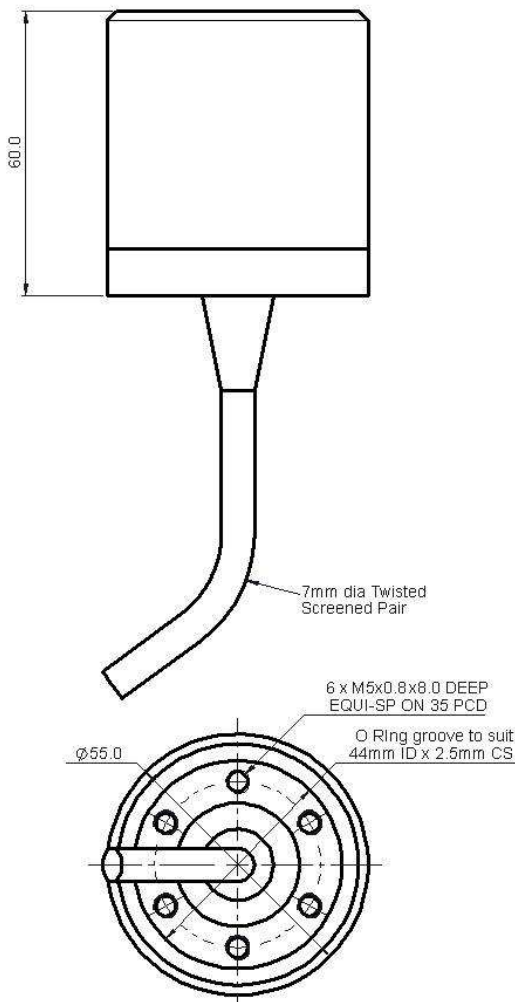
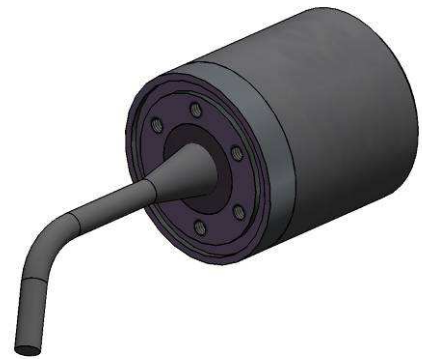


- 25 KHZ CYLINDRICAL TRANSDUCER
- BROAD BAND TRANSMISSION
- TRANSPONDER
- RANGE TRACKING
- COMMUNICATIONS



All dimensions in mm

The Type T257 is one of a series of underwater transducers available from Neptune that are designed for use in transponders, beacons, acoustic release mechanisms and data communication systems.

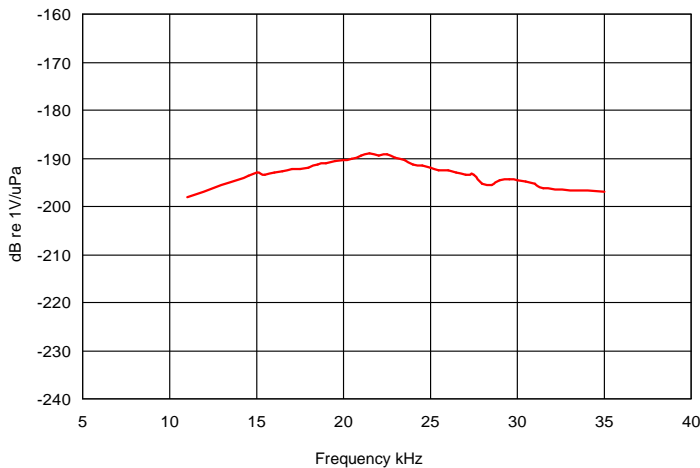
This versatile transducer combines efficient broad band transmission and reception suited to submarine range tracking applications on underwater trials ranges.

The nylon base incorporates threaded fastenings and an 'O' ring seal allowing simple and direct mounting onto equipment or pressure housings. Electrical connection is via a twisted screen pair cable.

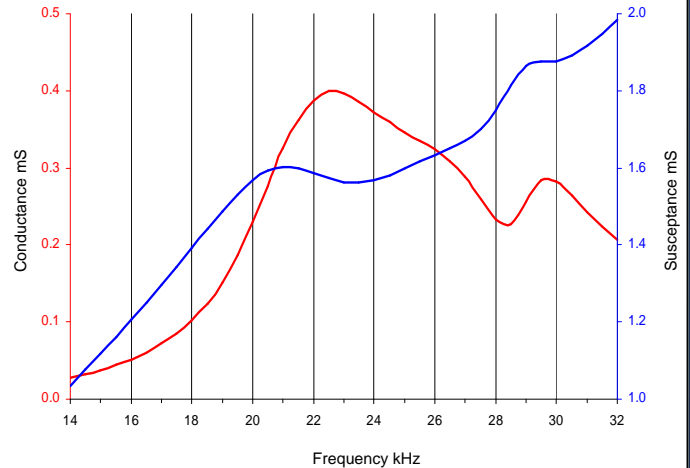
Technical Specification

Resonant Frequency	25 kHz (Nominal)
Useful Frequency Band	14 kHz to 30 kHz
Horizontal Beam Pattern	Omni ± 2 dB up to 30 kHz
Vertical Beam Pattern	Hemispherical
Impedance at Resonance	2500 Ohms
Input Power Max	400 Watts pulsed
Operating Depth	2000 Metres
Base Material	Nylon or Anodised Aluminium
Cable Type	Polyurethane $\varnothing 7$ mm 2 Core Screened
Cable Length	3 Metres Standard Additional Lengths supplied to order
Storage Temperature	-40 to +80 °C
Operating Temperature	-5 to +70 °C

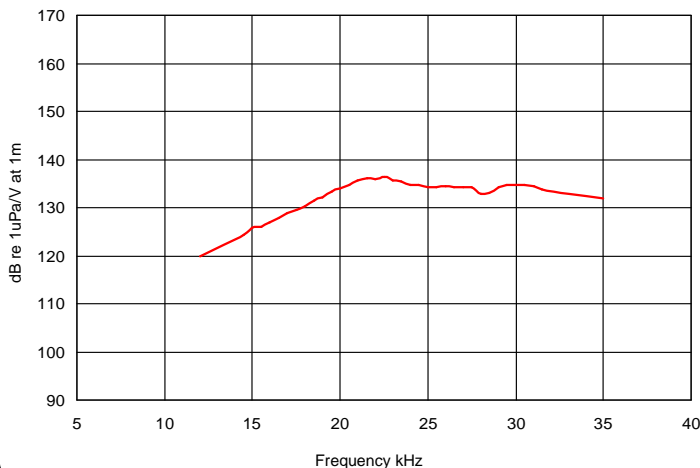
Receive Graph



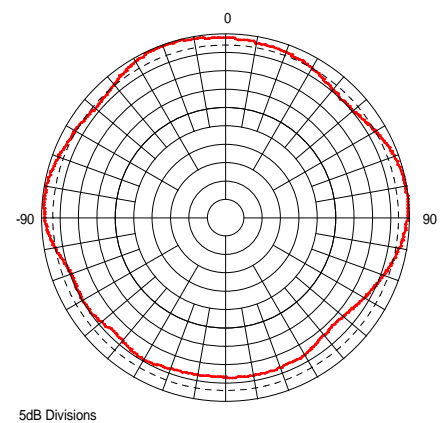
Admittance Plot



Transmit Graph



Beam Pattern Vertical at 25 kHz



Data illustrated is taken from actual in-water measurements