

MODEL T235

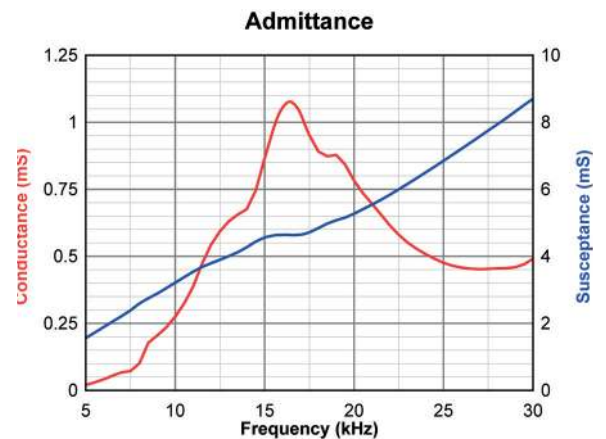
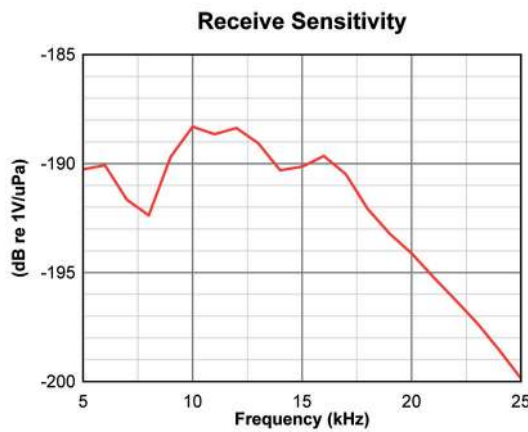


- 17 KHZ CYLINDRICAL TRANSDUCER
- BROADBAND TRANSMISSION
- TRANSPONDER
- RANGE TRACKING
- COMMUNICATIONS

The Type T235 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. The nylon base incorporates threaded fastenings and an 'O' ring seal allowing simple and direct

mounting onto equipment or pressure housings.

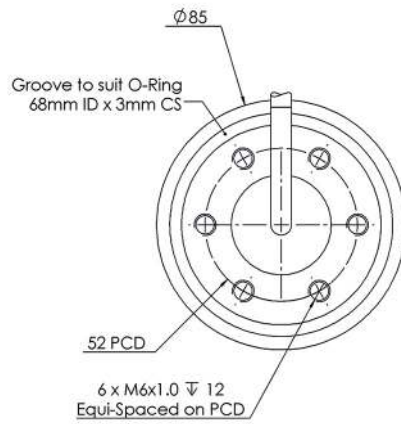
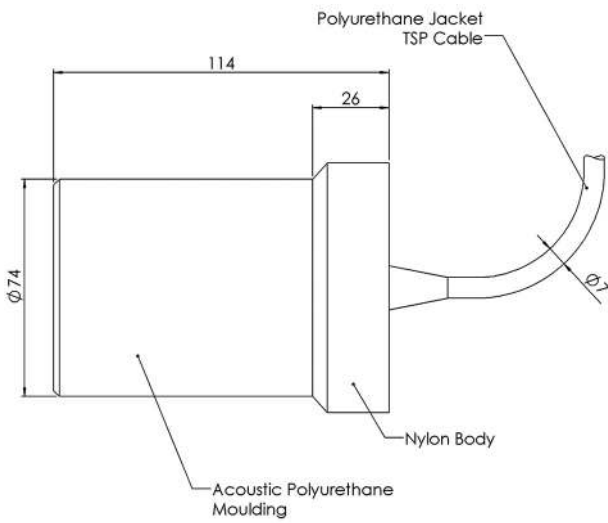
The T235 is available with or without acoustic calibration which is traceable to National Standards.



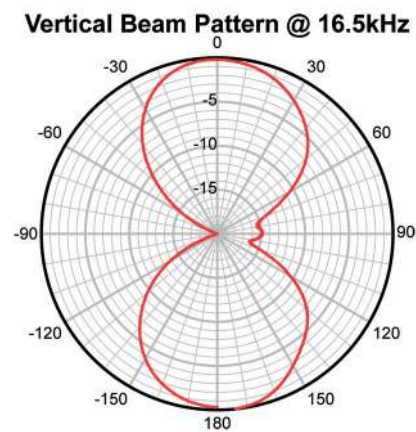
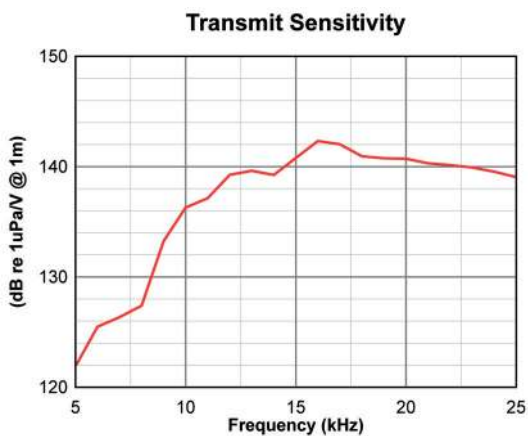
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	17 kHz
Useful Operating Band	10 kHz to 25 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-190 dB re 1V/μPa
Transmit Sensitivity	141 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 1m cable)	48,000 pF
Transmit Voltage (Max)	600 Vrms
Transmit Voltage / Duty Cycle (Max)	600 Vrms at 10% 180 Vrms at 100%

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	1500m
Weight Air/Water (with 1m cable)	1.4 kg / 0.5 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø7mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	1m standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)