

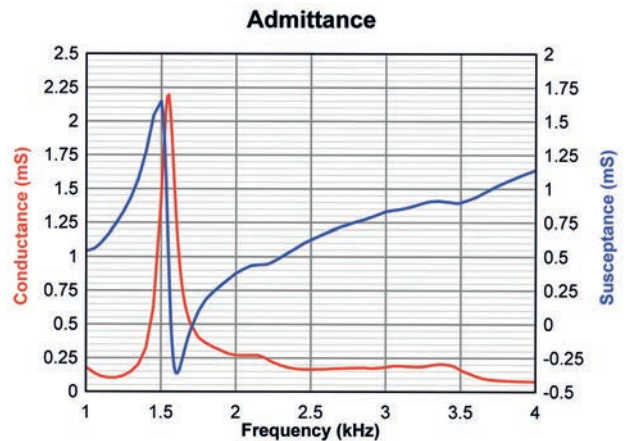
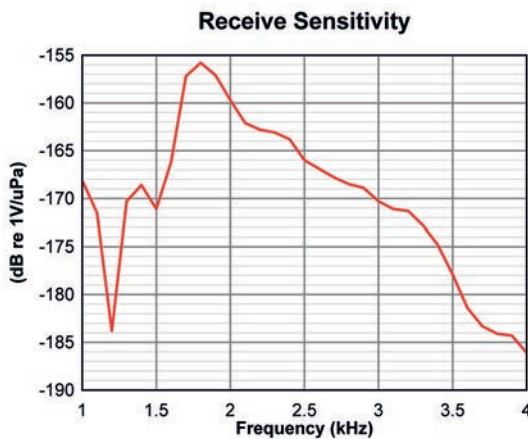
# MODEL T161



- 1.6 KHZ FREE FLOODED RING
- BROADBAND
- HIGH POWER
- OMNI-DIRECTIONAL BEAM PATTERN
- UNLIMITED DEPTH
- LONG RANGE TRANSMISSION

The T161 is one of a range of high power, low frequency transducers developed by Neptune Sonar. Based upon the standard Free Flooded Ring (FFR) concept, the transducer utilises the latest technology to achieve a highly efficient projector, capable of operating down to full ocean depth.

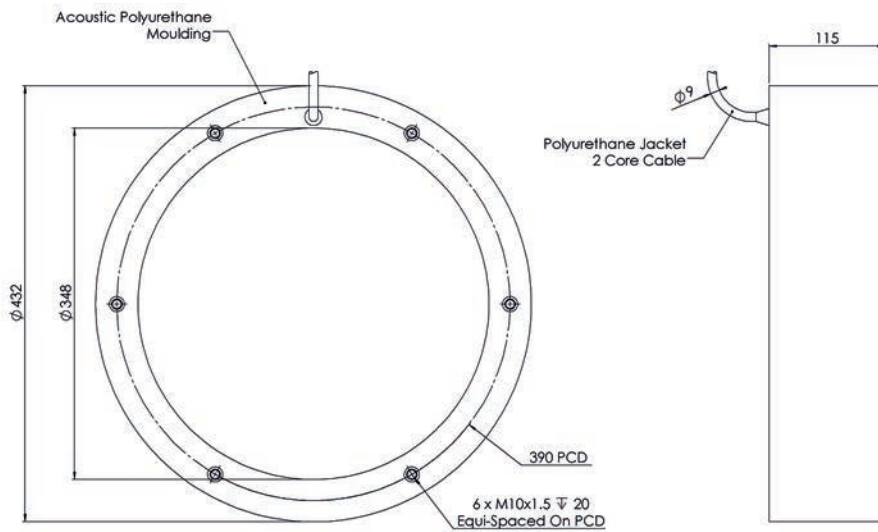
The T161 is available with or without acoustic calibration, traceable to National Standards.



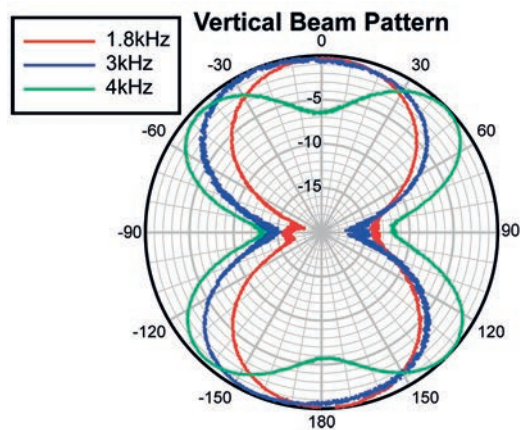
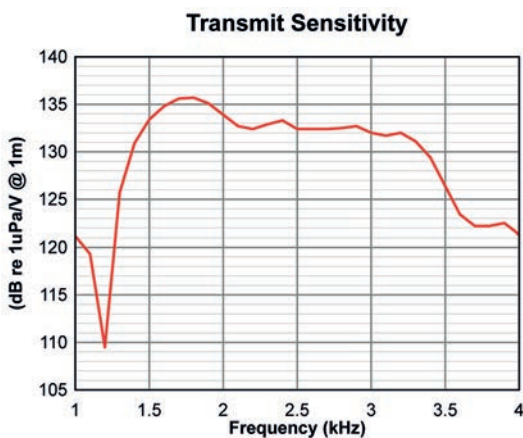
## TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	1.6 kHz
Useful Operating Band	1.3 kHz to 4 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB up to 4 kHz
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-155 dB re 1V/μPa
Transmit Sensitivity	135 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 10m cable)	88,000 pF
Transmit Voltage (Abs. Max)	1000 Vrms (Minimum 10m depth)
Transmit Voltage / Duty Cycle (Max)	1000 Vrms at 10% 320 Vrms at 100%

# MODEL T161



All dimensions in mm



## MECHANICAL SPECIFICATION

Operating Depth	Unlimited
Weight Air / Water (with 10m cable)	17.1 kg / 10.6 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø9mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	10m Standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional BNC or Customer Specific)