

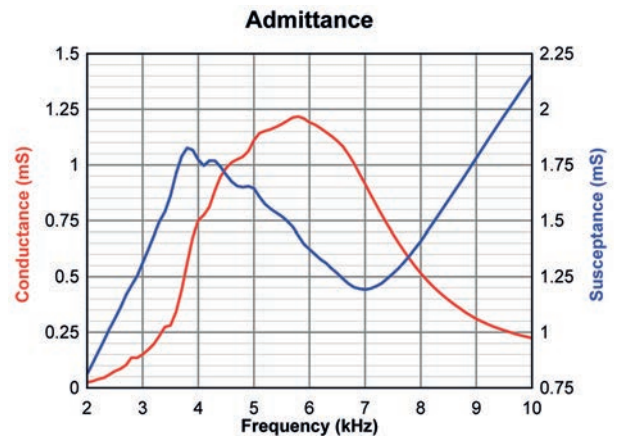
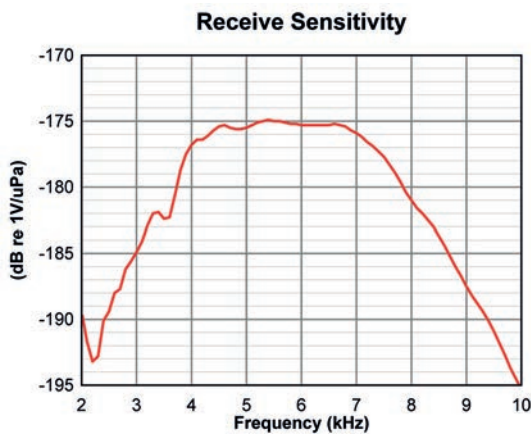
MODEL T170



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

The T170 is one of a range of Free Flooded Ring transducer. Utilising the latest ceramic technology, the FFR concept is ideally suited for high power, broadband, low frequency sound generation. Another advantage of the design is its ability to operate down to full ocean depth at maximum efficiency.

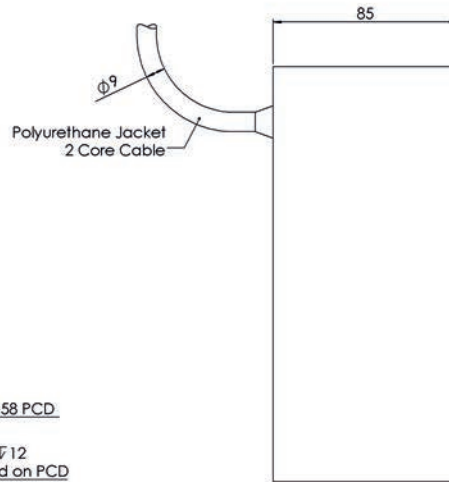
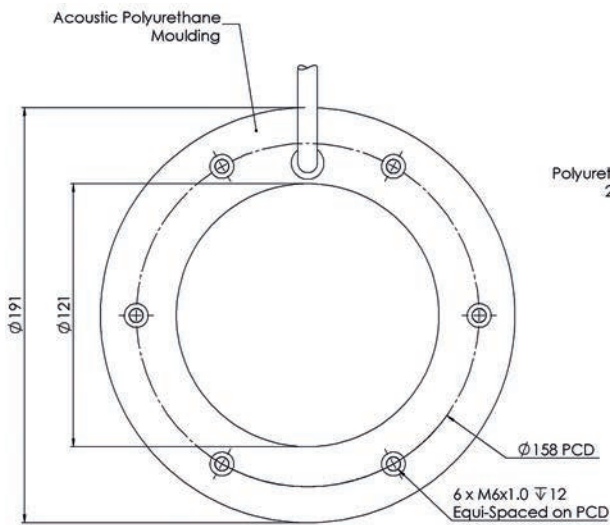
The T170 is available with or without acoustic calibration, traceable to National Standards.



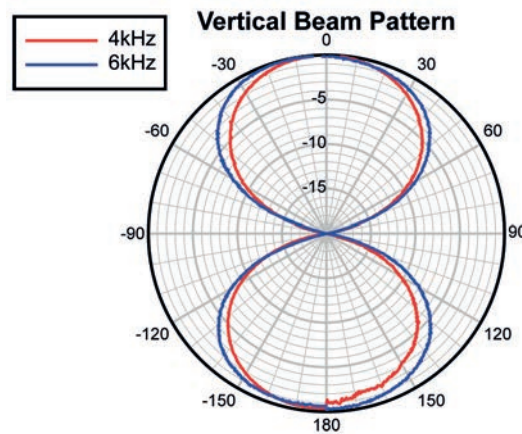
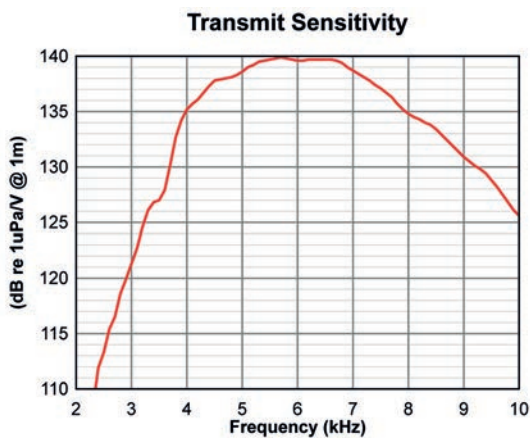
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	6 kHz
Useful Operating Band	4 kHz to 8 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB up to 8 kHz
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-175 dB re 1V/μPa
Transmit Sensitivity	140 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 10m cable)	68,000 pF
Transmit Voltage (Abs. Max)	750 Vrms (Minimum 10m depth)
Transmit Voltage / Duty Cycle (Max)	750 Vrms at 10% 250 Vrms at 100%

MODEL T170



All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	Unlimited
Weight Air / Water (with 10m cable)	4.7 kg / 2.6 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)