

MODEL T216

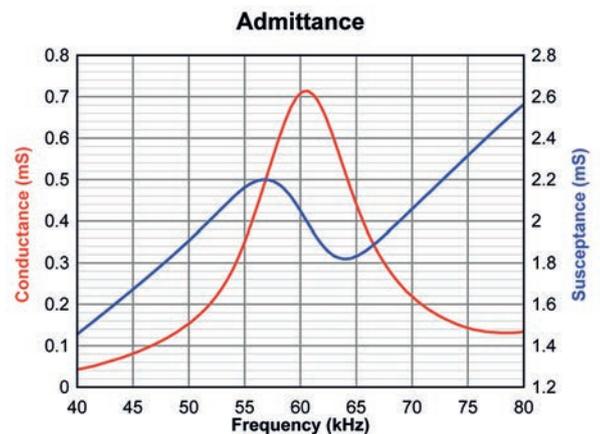
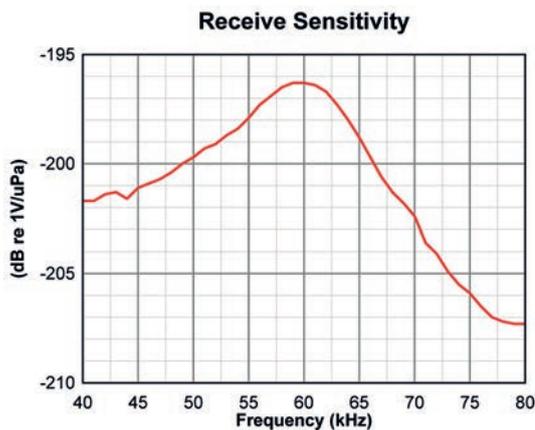


- 60 KHZ CYLINDRICAL TRANSDUCER
- BROADBAND TRANSMISSION
- TRANSPONDER
- RANGE TRACKING
- COMMUNICATIONS

The Model T216 is designed for use in transponders, beacons, acoustic release mechanisms and data communication systems. This versatile transducer combines efficient broadband transmission and reception suited to tracking applications on underwater vehicles and range trials. The anodised aluminium base incorporates a threaded fastening and 'O' ring seal allowing simple and direct mounting onto

equipment or pressure housings. Washer and nut provided.

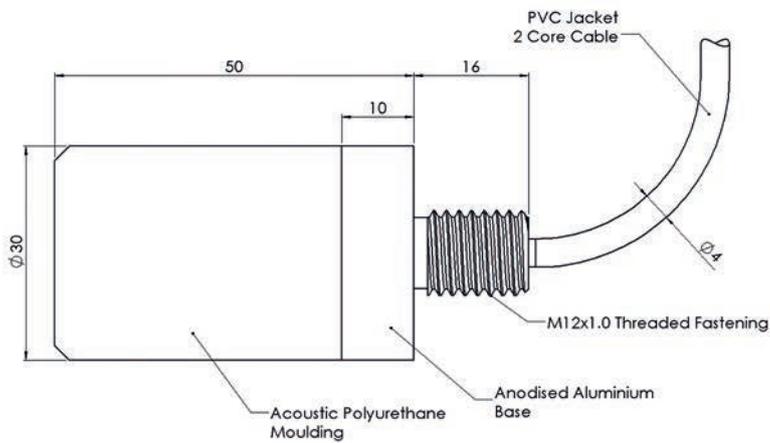
The T216 is available with or without acoustic calibration, traceable to National Standards.



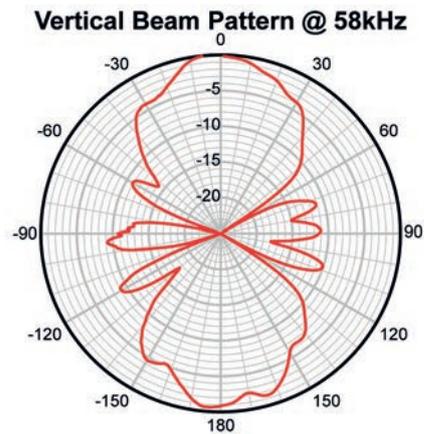
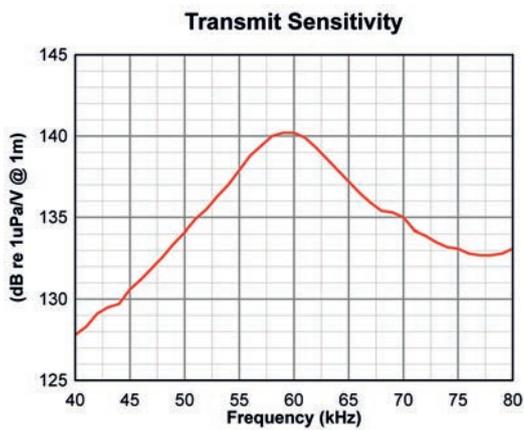
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	60 kHz
Useful Operating Band	50 kHz to 70 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-197 dB re 1V/μPa
Transmit Sensitivity	140 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 1m cable)	5,000 pF
Transmit Voltage (Max)	600 Vrms
Transmit Voltage / Duty Cycle (Abs. Max)	600 Vrms at 10% 150 Vrms at 100%

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	1500m
Weight Air/Water (with 1m cable)	0.12 kg / 0.07 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø4mm Polyvinyl Chloride Jacket, Screened Twisted Pair
Cable Length	1m standard (Additional lengths supplied to order)