

MODEL T198

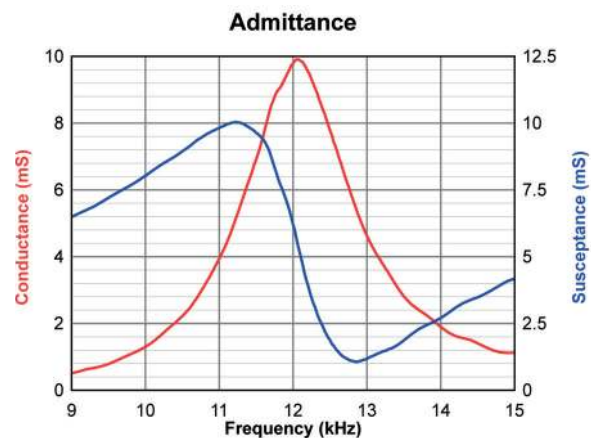
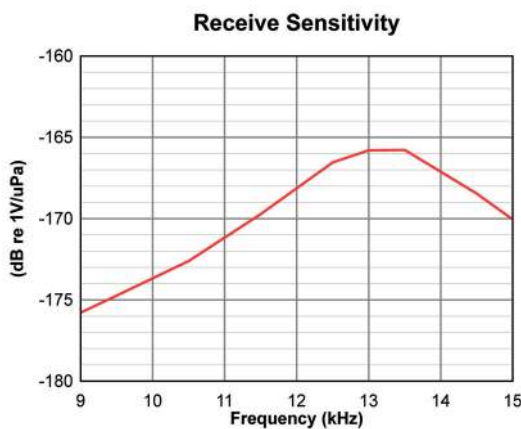


- 12 KHZ TRANSDUCER
- SINGLE NARROW BEAM
- LOW SIDE LOBE
- LONG RANGE ECHO SOUNDER
- TOWED BODY CAPABILITY
- FULLY OVER-MOULDED

The T198 transducer is a high power, long range directional array operating at 12 kHz. Originally designed for over-side installation, the T198 can also be hull mounted. The nodal mounted tonpilz elements are extremely robust, capable of withstanding high slamming forces, highly efficient and provide an excellent front to back ratio. An external transformer can be supplied

to accommodate any impedance matching. The transducer housing is an over-moulded, robust and corrosion free transducer body.

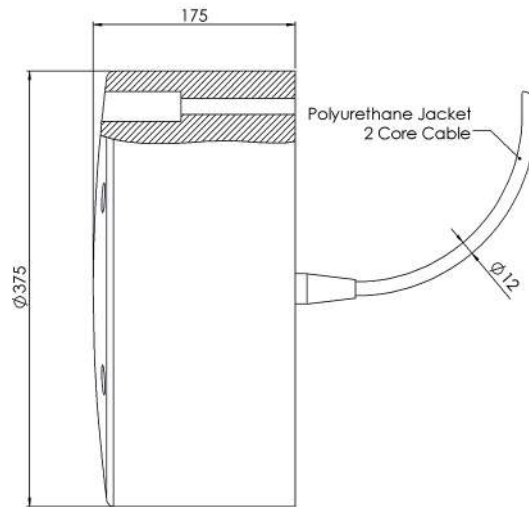
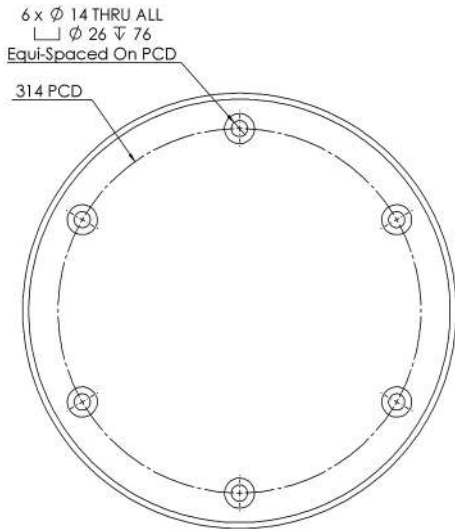
The T198 is available with or without acoustic calibration which is traceable to National Standards.



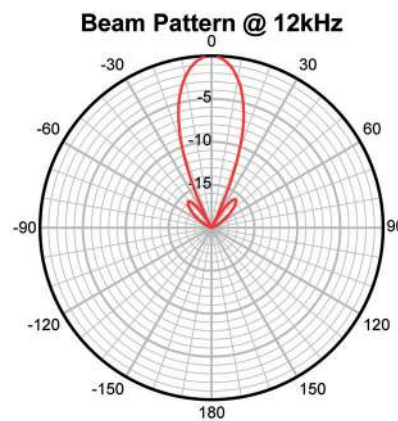
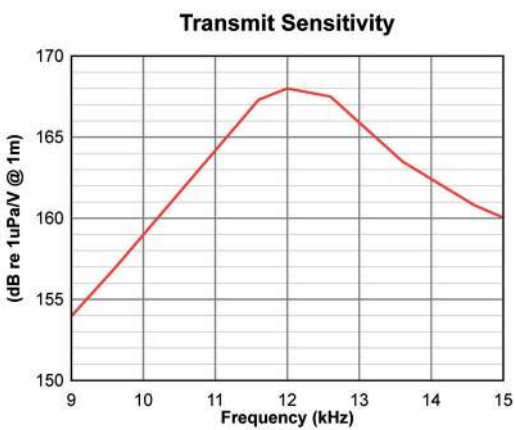
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	12 kHz
Beam Angle (-3dB)	20 Degrees Conical
Side Lobe Level	> -15dB
Front / Back Ratio	> -20dB
Receive Sensitivity	-166 dB re 1V/μPa
Transmit Sensitivity	167 dB re 1μPa/V @ 1m
Bandwidth	1.5 kHz
Capacitance at 1 kHz (with 10m Cable)	86,000 pF
Transmit Voltage / Duty Cycle (Max)	750 Vrms at 10%
Nominal Impedance	100 Ohms

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	600m Standard (Optional 1500m - may require an export license)
Weight Air/Water including 10m cable	35 kg / 15.6 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø12mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)