

MODEL T141

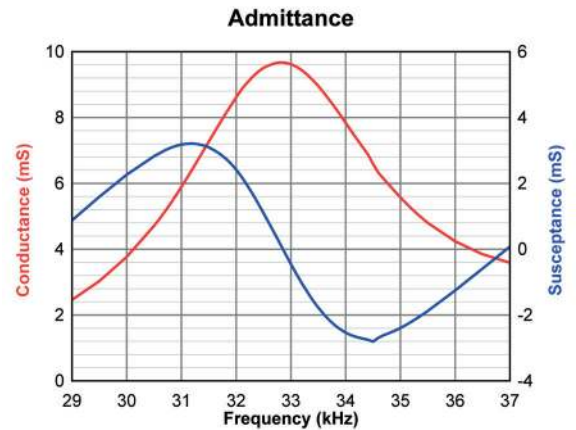
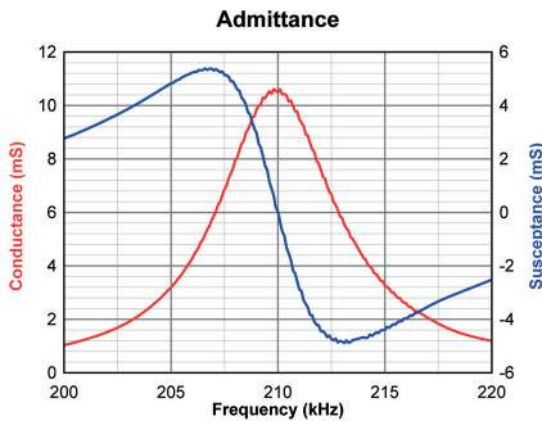


- DUAL FREQUENCY 33 & 210 KHZ
- DUAL BEAM 210 KHZ
- SHALLOW WATER SURVEYING
- OVER-SIDE OR HULL MOUNTING
- FULLY OVER-MOULDED
- HIGH PERFORMANCE / LOW COST

The T141 is both a dual frequency and dual beam transducer and is fully compatible with many OEM hydrographic echo-sounder systems. The over-moulded polyurethane housing provides a mechanically robust, corrosion free transducer for over-side or hull mounting.

The beam is selected by the supplied switch box, which contains the tuning transformers for both frequencies. Electrical connection to the transducer is by a multi-core screened cable.

The T141 is available with or without acoustic calibration which is traceable to National Standards.

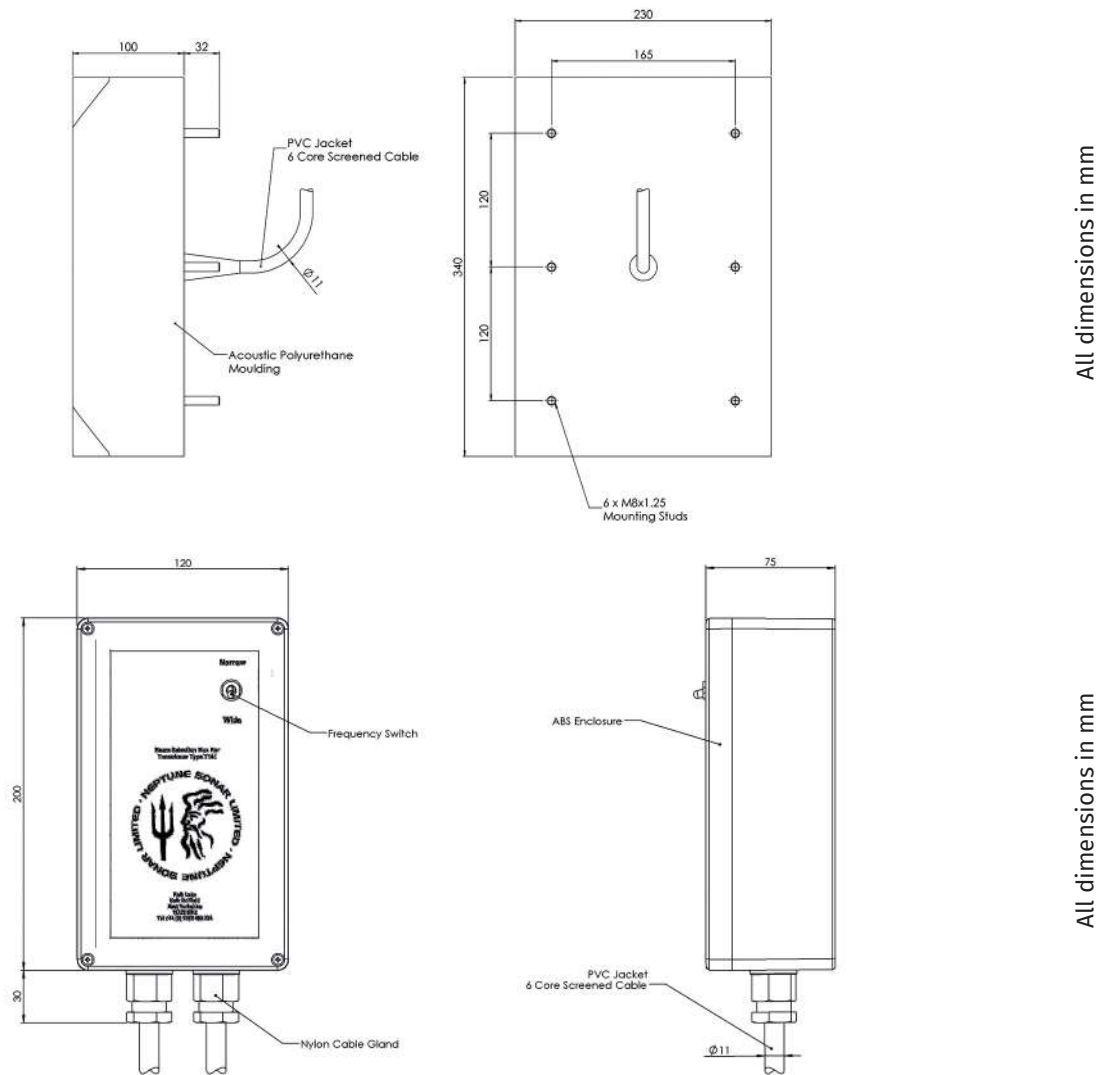


ACOUSTIC SPECIFICATION

Frequency Options	33	210	210	kHz
Beam	Single	Wide	Narrow	Selectable
Beam Angle (-3dB)	22	8	2	Degrees
Transmit Sensitivity	166	173	178	dB re 1μPa/V @ 1m
Receive Sensitivity	-178	-187	-183	dB re 1V/μPa
Bandwidth	4	7.5	8	kHz
Transmit Voltage / Duty Cycle (Max)	325	300	400	Vrms at 10%
Nominal Impedance	100	100	100	Ohms

Transducer impedance can be adjusted to suit customers specification

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All dimensions in mm

All dimensions in mm

MECHANICAL SPECIFICATION

Operating Depth	300m Standard
Weight Air/Water (with 10m cable)	12.3 kg / 3.6 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø11mm Polyvinyl Chloride Jacket, Screened 6 Core
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)
Optional	Beam Selection Switch Box