

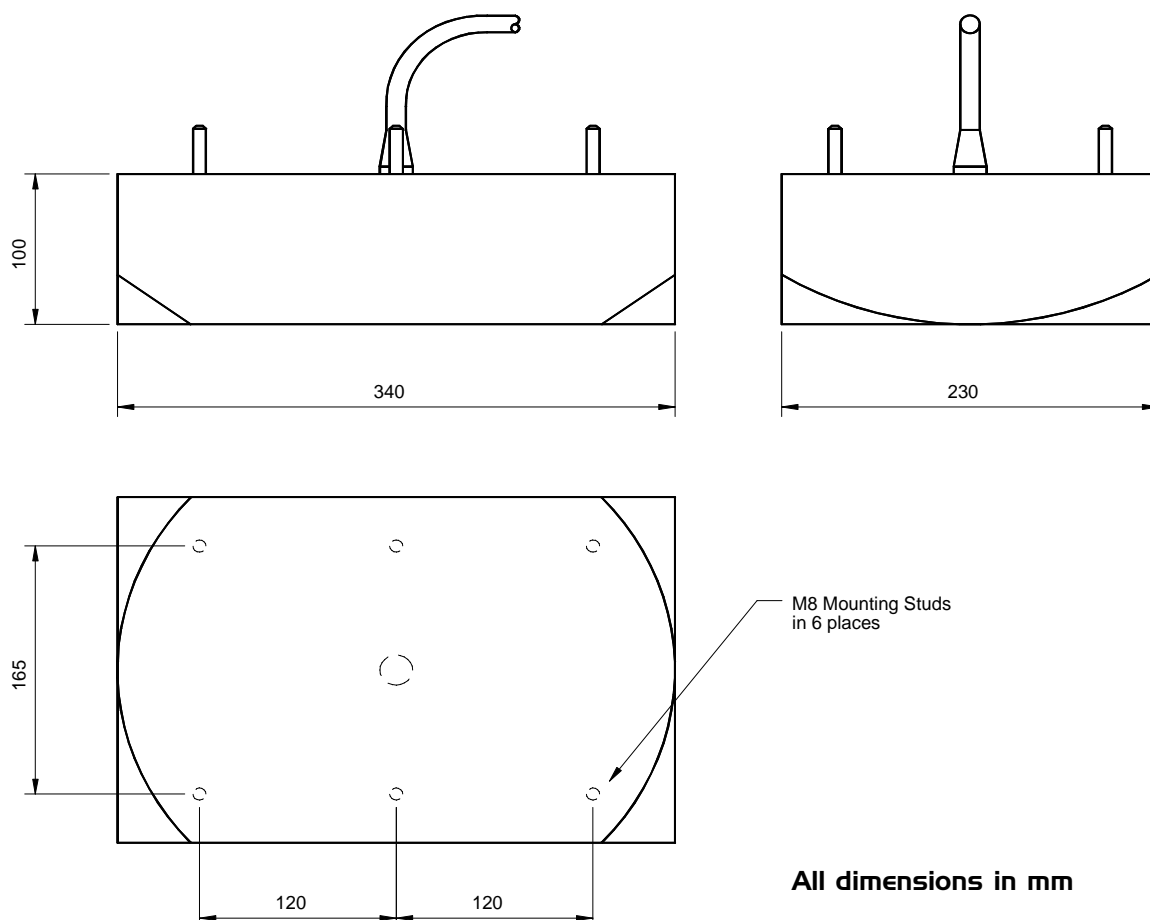
- DUAL FREQUENCY 33 & 210 KHZ
- DUAL BEAM 210 KHZ
- SHALLOW WATER SURVEYING
- OVER-SIDE OR HULL MOUNTING
- NEPCAST® PU MOULDED
- HIGH PERFORMANCE / LOW COST



The TI4I is both a dual frequency and dual beam transducer, fully compatible with many OEM hydrographic echo-sounder systems, complimenting shallow water surveying operations typically carried out by Port and River Authorities.

The unique 210 kHz 19 element configuration reduces sidelobe levels and forms an excellent beam shape in both wide and narrow modes. The beam is selected by a switch box supplied, which contains the tuning transformers for both frequencies. Electrical connection to the transducer is by a five core screened cable with a tough PU outer jacket.

The NEPTCAST® over-moulded polyurethane housing provides a mechanically robust, corrosion free transducer for over-side or hull mounting.



MODEL TI4I

Dual Frequency Transducers

Technical Specification

Neptune Sonar	TI4I			Type Number
Frequency	33	210	210	kHz
Beam	Single	Wide	Narrow	Selectable
Beam Angle (-3dB)	22	8	2	Degrees
Transmit Sensitivity	166	173	178	dB re uPa/V @ 1m
Receive Sensitivity	-178	-187	-183	dB re V/uPa
Input Power	800	1600	3000	Watts
Bandwidth	4	7.5	8	kHz
Nominal Impedance	100	100	100	Ohms
Transducer Impedance can be adjusted to suit customers specification				
Cable Length	10 Metres Standard (Additional lengths supplied to order)			
Cable Type	Polyurethane Ø12mm 6 Core Screened			
Storage Temperature	-40 to +80 °C			
Operating Temperature	-5 to +70 °C			

Data illustrated is taken from actual in-water measurements