

# MODEL T38

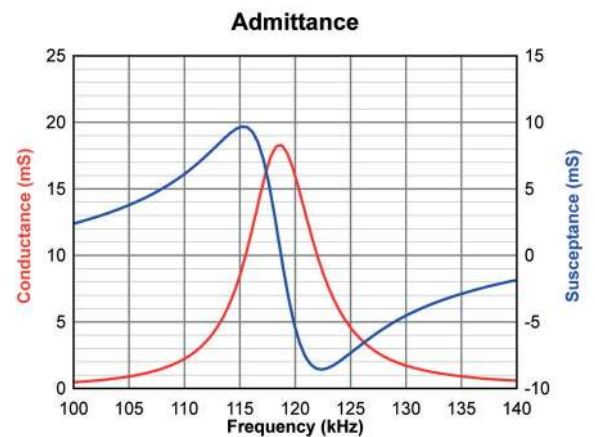
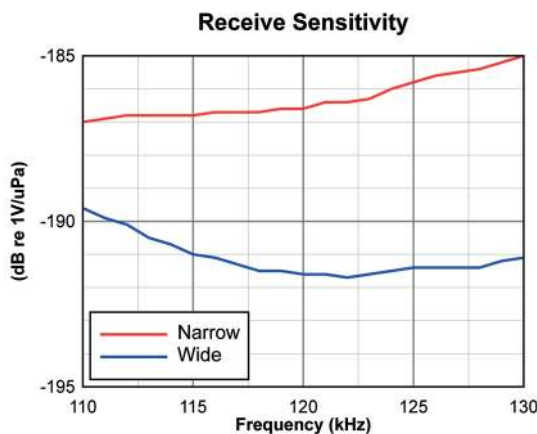


- 120 KHZ DUAL BEAM
- NAVIGATION, FISHING & SURVEYING
- HIGH PERFORMANCE
- SCIENTIFIC ECHO SOUNDER
- HULL OR TOWED BODY
- ROBUST NYLON HOUSING

The Type T38 is a precision echo sounder transducer designed for use in hydrographic or scientific applications where an accurately defined, narrow beam pattern is required. Operating at 120 kHz the multi-element array is configured to achieve two, highly directional, conical beam patterns with low side lobe levels. The transducer enables the beams to

be switched between wide and narrow using a beam selection box which can be supplied separately.

The T38 is available with or without acoustic calibration which is traceable to National Standards.

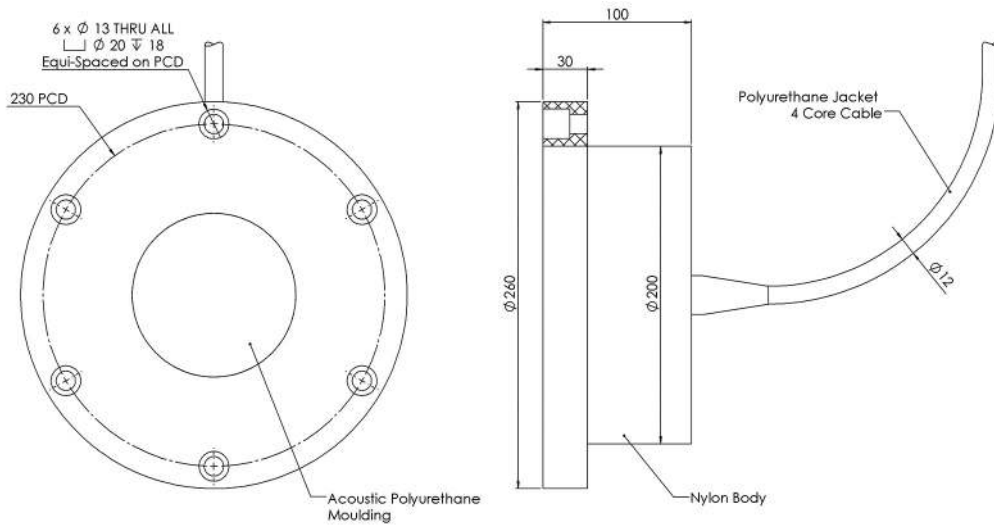


## ACOUSTIC SPECIFICATION

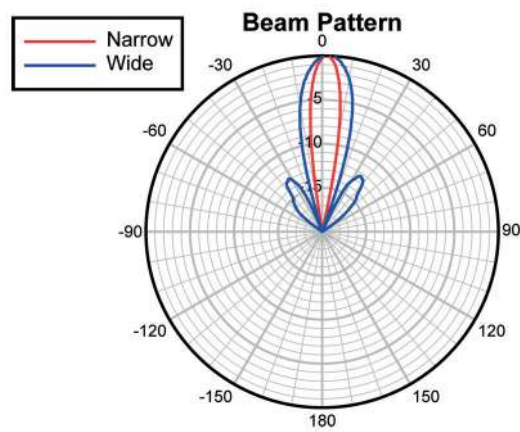
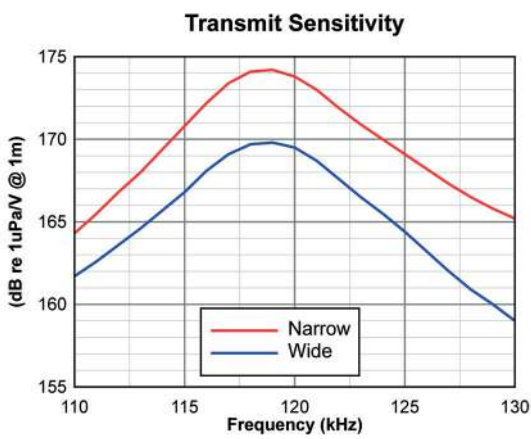
Beam Width	Wide	Narrow	Selectable
Horizontal Beam (-3dB)	18	10	Degrees Conical
Transmit Sensitivity	170	174	dB re 1μPa/V @ 1m
Receive Sensitivity	-192	-187	dB re 1V/μPa
Transmit Voltage / Duty Cycle (Max)	300	400	Vrms at 10%
Bandwidth	8	8	kHz
Nominal Impedance	50	50	Ohms

Transducer impedance can be adjusted to suit customers specification

# MODEL T38



All dimensions in mm



## MECHANICAL SPECIFICATION

Operating Depth	300m Standard
Weight Air/Water including 10m cable	6.2 kg / 1.3 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø12mm Polyurethane Jacket, Screened 4 Core
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)
Optional	Beam Selection Switch Box