

# MODEL T196 & T197

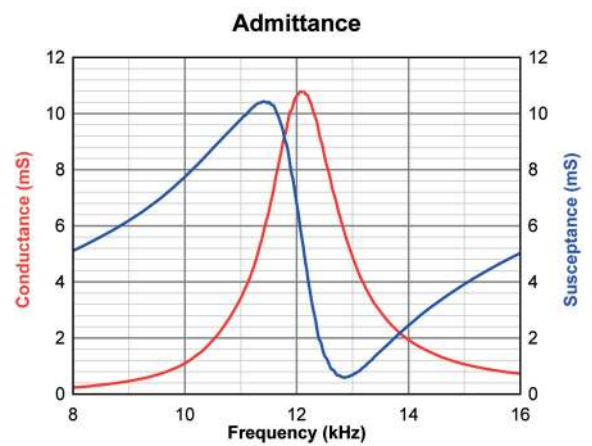
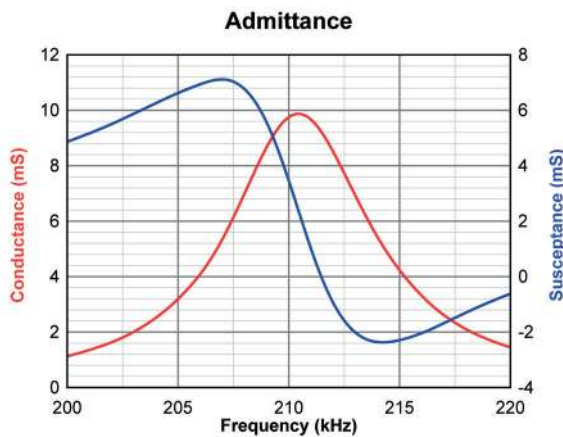


- **DUAL FREQUENCY**
- **NAVIGATION & SURVEYING**
- **LOW SIDE LOBES**
- **LONG RANGE ECHO SOUNDER**
- **TOWED BODY CAPABILITY**
- **FULLY OVER-MOULDED**

The T196 & T197 are both high performance, dual frequency transducers offering a versatile sounding system with high resolution and excellent range performance. The design features both high and low frequencies combined within a single over-moulded housing. Allowing a hydrographer the flexibility to select a system to meet the desired survey requirements of resolution, range, silt

penetration and beam pattern. The over-moulded polyurethane housing provides a mechanically robust, corrosion free transducer for hull or over-side mounting.

The T196/T197 is available with or without acoustic calibration which is traceable to National Standards.

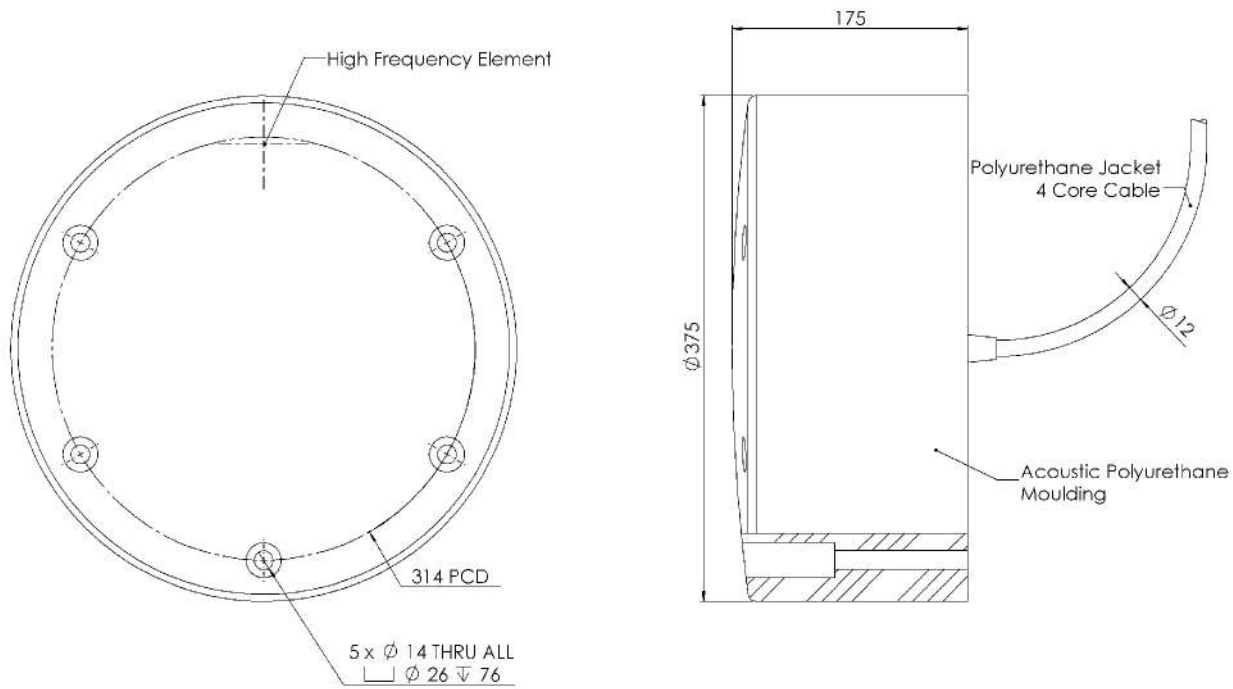


## ACOUSTIC SPECIFICATION

| Model Number                        | T196 |      | T197 |      | kHz               |
|-------------------------------------|------|------|------|------|-------------------|
|                                     | 12   | 210  | 12   | 200  |                   |
| Frequency Options                   | 12   | 210  | 12   | 200  | kHz               |
| Beam Angle (-3dB)                   | 20   | 7.5  | 20   | 8    | Degrees Conical   |
| Transmit Sensitivity                | 167  | 174  | 167  | 175  | dB re 1µPa/V @ 1m |
| Receive Sensitivity                 | -173 | -187 | -173 | -186 | dB re 1V/µPa      |
| Bandwidth                           | 1.5  | 28   | 1.5  | 20   | kHz               |
| Nominal Impedance                   | 100  | 100  | 100  | 100  | Ohms              |
| Transmit Voltage / Duty Cycle (Max) | 750  | 175  | 750  | 175  | Vrms at 10%       |

Transducer impedance can be adjusted to suit customers specification

# MODEL T196 & T197



All dimensions in mm

## MECHANICAL SPECIFICATION

|                                      |  |
|--------------------------------------|--|
| Operating Depth                      | 300m Standard  |
| Weight Air/Water including 10m cable | 33.6 kg / 14 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<br>(Additional lengths supplied to order) |
| Connector                            | Not fitted as standard<br>(Optional Customer Specific)       |