

MODEL 340 SERIES



- **DUAL FREQUENCY TRANSDUCER**
- **30 LF / HF COMBINATIONS**
- **HULL OR OVER-SIDE MOUNTING**
- **FULLY MOULDED**
- **FISHING, NAVIGATION & SURVEY**
- **LOW COST**

The 340 SERIES is a high performance, fully moulded, dual frequency transducer featuring both high and low frequency sections combined in a single unit. Compatible with a wide range of echo-sounders the piston elements are configured to achieve optimum echo-sounder performance. The ability to specify a wide combination of frequencies in the same basic unit, provides the echo-sounder manufacturer and operator with the flexibility to configure a system and

beam pattern to match the desired survey requirements of resolution, range and silt penetration. The polyurethane housing provides a mechanically robust, corrosion free transducer, suitable for hull or over-side mounting.

The 340 SERIES is available with or without acoustic calibration, traceable to National Standards.

TECHNICAL SPECIFICATION - LOW FREQUENCY SECTION

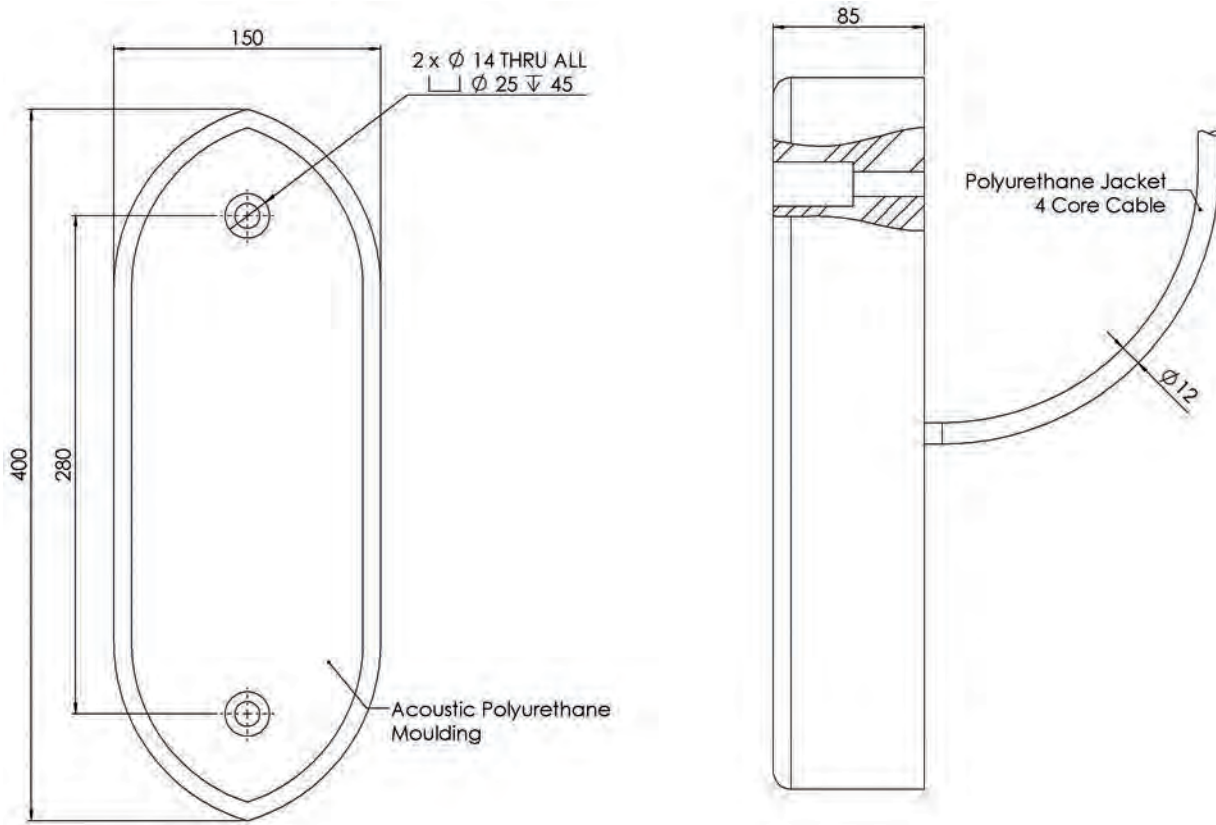
Frequency Options	24	28	30	33	38	50	kHz
Beam Angle (-3dB)	23x34	19x30	18x27	16.5x25	14x22	16x16	Degrees Conical
Transmit Sensitivity	167	168	168	168	166	171	dB re 1µPa/V @ 1m
Receive Sensitivity	-173	-173	-175	-175	-176	-178	dB re 1V/µPa
Transmit Voltage / Duty Cycle (Abs. Max)	300	300	325	325	325	300	Vrms at 10%
Bandwidth	2.5	2.8	3.0	3.5	3.5	6.0	kHz
Nominal Impedance	75	75	100	100	100	75	Ohms

TECHNICAL SPECIFICATION - HIGH FREQUENCY SECTION

Frequency Options	160	200	210	300	600	-	kHz
Beam Angle (-3dB)	12	8	7.5	7	5	-	Degrees Conical
Transmit Sensitivity	173	170	170	172	172	-	dB re 1µPa/V @ 1m
Receive Sensitivity	-191	-193	-193	-193	-193	-	dB re 1V/µPa
Transmit Voltage / Duty Cycle (Abs. Max)	150	150	175	150	150	-	Vrms at 10%
Bandwidth	24	15	15	45	90	-	kHz
Nominal Impedance	70	70	100	75	75	-	Ohms

Transducer impedance can be adjusted to suit customers specification

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All dimensions in mm

MECHANICAL SPECIFICATION

Operating Depth	300m
Weight Air/Water including 10m cable	6.3 kg / 0.8 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø12mm Polyurethane Jacket, Screened 4 Core
Cable Length	10m Standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)