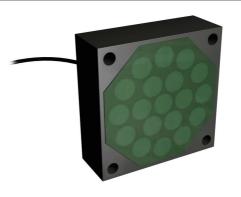
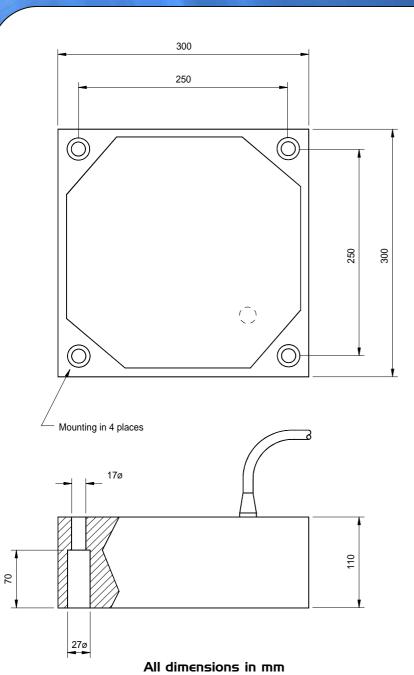
## MODEL 153 SERIES

- 5 FREQUENCY OPTIONS
- DUAL BEAM
- LONG RANGE ECHO SOUNDING
- GROUND DISCRIMINATION OPTION
- HIGH PERFORMANCE
- LOW COST





Available in five different frequencies the design has nineteen piston elements arranged in three concentric rings to provide a high performance, dual beam Transducer.

Continuing the company's successful policy of offering transducers with a choice of frequencies the IS3 SERIES gives the customer maximum flexibility with minimum cost.

The design is also available as a single narrow beam transducer.

The versatility of the design is further enhanced with the option of a ground discriminating 'GD' feature where additional knowledge of the sea floor texture is important.

Technical Specification						
Frequency Options	24	28	30	33	38	kHz
Beam Angle Wide (-3dB)	23	19	18	16.5	14	Degrees Conical
Beam Angle Narrow (-3dB)	14.5	12	II	Ю	9	Degrees Conical
Transmit Sensitivity Wide	167	168	168	167	165	dB re uPa/V @ Im
Transmit Sensitivity Narrow	170	171	171	170	171	dB re uPa/V @ Im
Receive Sensitivity	-164	-166	-167	-168	-169	dB re V/uPa
Input Power	5000	5000	5000	5000	5000	Watts
Bandwidth	2.8	3.5	3.0	3.5	3.5	kHz
Nominal Impedance	<i>7</i> 5	100	100	100	100	Ohms
Transducer imp	edance ca	n be adjus	ted to suit	t customer	s specific	ation
Cable Length	IO Metres Standard (Additional lengths supplied to order)					
Cable Type	Polyurethane ØI2mm 4 Core Screened					
Storage Temperature	-40 to +80 °C					
Operating Temperature	-5 to +70 ℃					

Data illustrated is taken from actual in-water measurements