

# MODEL 290 SERIES

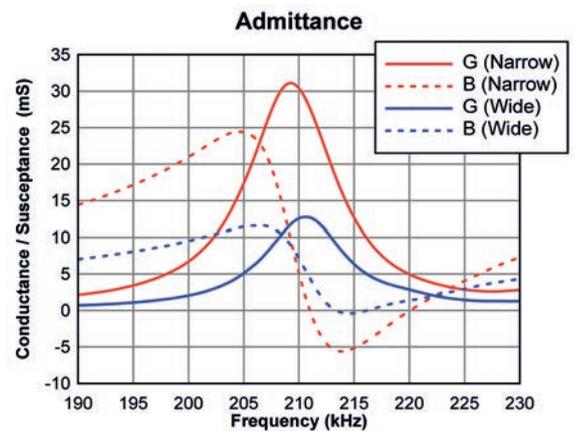
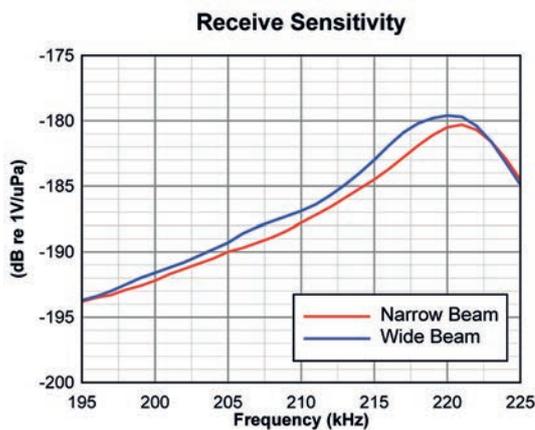


- **MULTIPLE FREQUENCY OPTIONS**
- **DUAL BEAM**
- **SIDESCAN TRANSDUCER**
- **SHALLOW WATER SURVEYING**
- **HULL MOUNTED**
- **TOW FISH OPTION**

The 290 SERIES transducers have been designed to complement shallow water echo sounder surveying operations typically carried out by Port and River Authorities. Eliminating the need to deploy a tow fish, these side-scan transducers can be mounted directly onto the hull and inclined downwards away from the

surface, to provide useful “fill-in data” between adjacent survey runs.

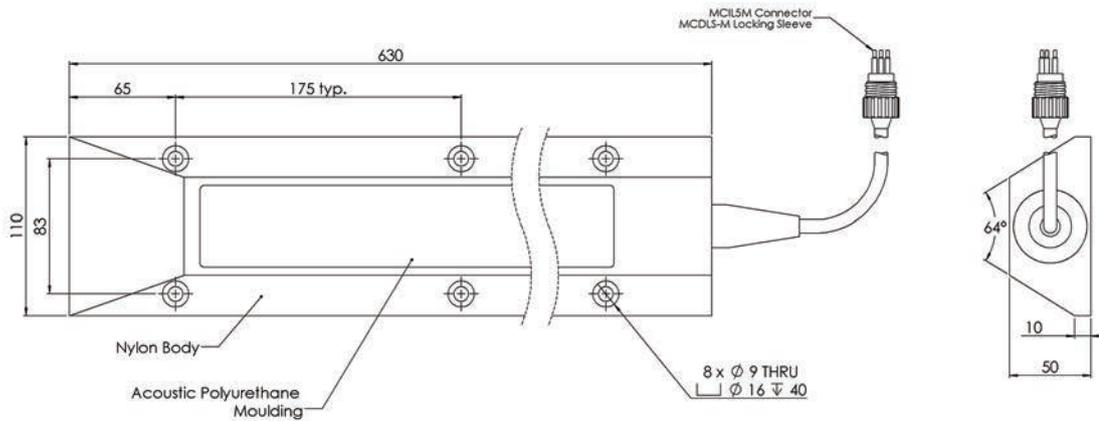
Both transducer types are available with or without calibration, traceable to National Standards.



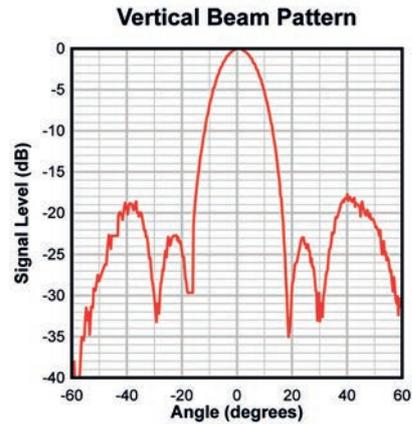
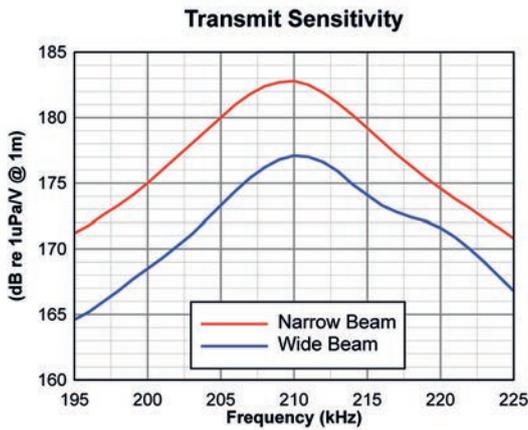
## TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	200		210		kHz
Beam Pattern	Wide	Narrow	Wide	Narrow	Selectable
Horizontal Beam (-3dB)	1.6	0.9	1.5	0.8	Degrees
Vertical Beam (-3dB)	16.0	16.0	16.0	16.0	Degrees
Transmit Sensitivity	177	182	177	182	dB re 1uPa/V @ 1m
Receive Sensitivity	-187	-187	-187	-187	dB re 1V/uPa
Transmit Voltage / Duty Cycle (Abs. Max)	750	750	750	750	Vrms at 10%
Bandwidth	10	10	10	10	kHz
Nominal Impedance	75	75	75	75	Ohms

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All dimensions in mm



## MECHANICAL SPECIFICATION

Operating Depth	600m (Optional 2000m – both may require an export license)
Weight Air/Water (with 10m cable)	5.2 kg / 1.4 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø12mm Polyurethane Jacket, Screened 4 Core
Cable Length	0.2m standard
Connector	SubConn MCIL5M with MCDLS-M Locking Sleeve
Optional	Beam Selection Switch Box (SB1)