

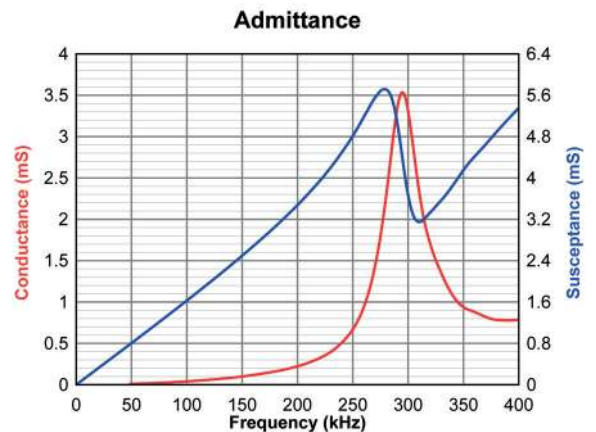
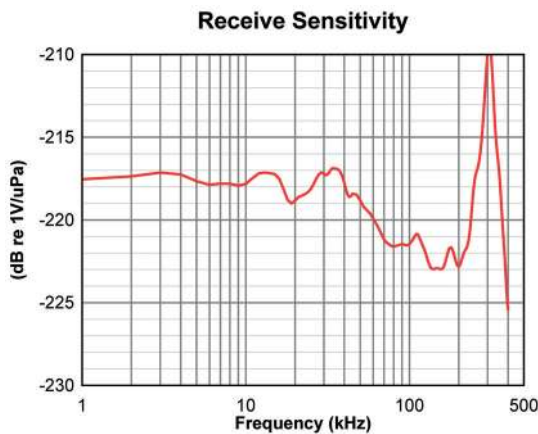
MODEL D/300



- TRUE SPHERICAL RESPONSE
- LOW NOISE PERFORMANCE
- ACOUSTIC REFERENCE STANDARD
- HIGH PERFORMANCE
- RESPONSE UP TO 400 KHZ

The D/300 miniature high frequency hydrophone is a versatile acoustic sensor, the spherical ceramic element retains an excellent spherical beam pattern up to 350 kHz. The robust construction of the D/300 enables it to operate at depths down to 700 metres.

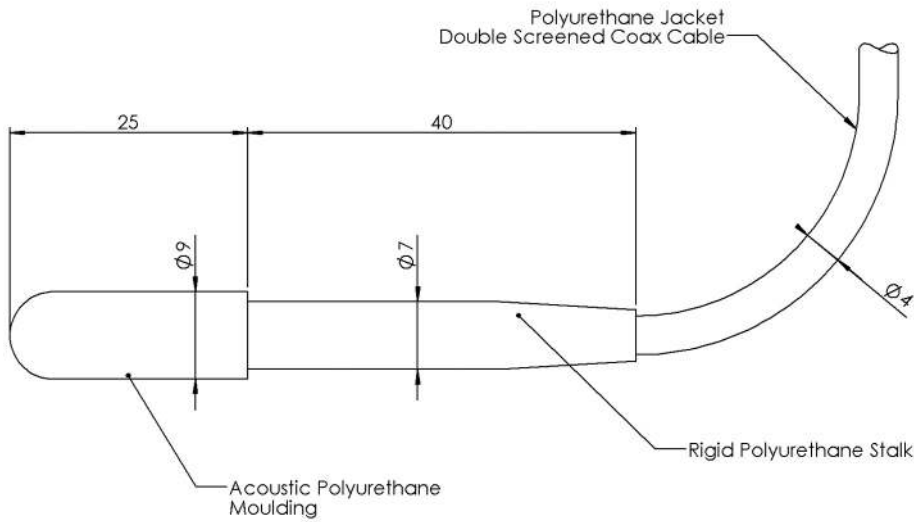
The D/300 is available with or without acoustic calibration which is traceable to National Standards.



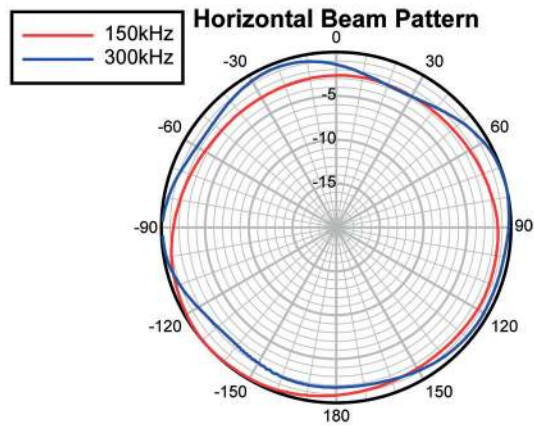
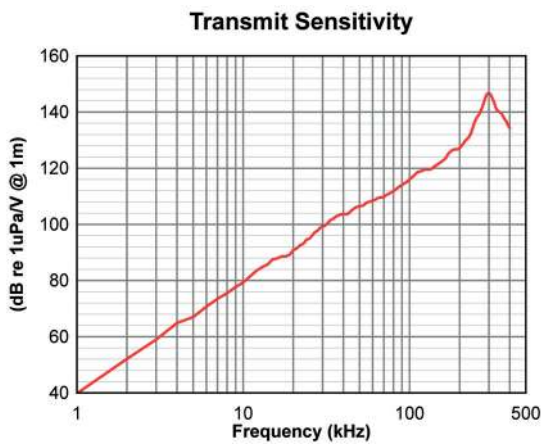
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	300 kHz
Beam Pattern Horizontal	Omni \pm 2 dB at 150kHz
Beam Pattern Vertical	270° \pm 3 dB at 150kHz
Receive Sensitivity	-217 dB re 1V/ μ Pa
Transmit Sensitivity	143 dB re 1 μ Pa/V @ 1m
Capacitance at 1 kHz (with 10m cable)	2,500 pF
Transmit Voltage (Max)	25 Vrms
Transmit Voltage / Duty Cycle (Max)	25 Vrms at 10% 5 Vrms at 100%

MODEL D/300



All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	700m
Weight Air/Water (with 10m cable)	0.16 kg / 0.03 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Polyurethane Ø4mm Double Screened LNC (Optional Ø3mm Single Screened LNC)
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector	10-32 UNF M (Optional adaptor 10-32 UNF F to BNC M)