MODEL D/26

- OMNI-DIRECTIONAL RESPONSE
- HIGH POWER PROJECTOR
- EFFICIENT TRANSMITTER
- BROADBAND OPERATION
- OCTAVE BANDWIDTH OPTION
- DEEP WATER CAPABILITY

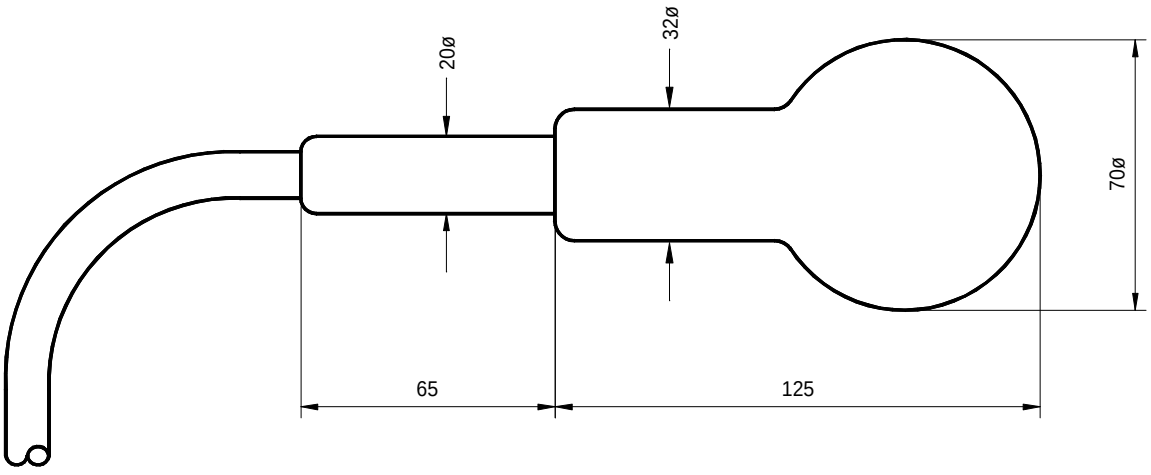
The D/26 spherical transducer is a versatile design providing omni-directional transmit and receive characteristics over a frequency band of 20 kHz to 40 kHz.

The all moulded construction coupled with the inherent strength of the PZT ceramic sphere achieves a robust, lightweight and corrosion free design making it the ideal choice as a high power projector.

Electrical connection to the transducer is by a screened twisted pair cable with an extruded polyurethane outer jacket. This enables the systems engineer to configure the transducer directly into customised equipment packages using simple moulding techniques.

The D/26 is available with or without acoustic calibration. All calibrations are traceable to National Standards.

Wideband Version
A broadband version of this transducer is available (see page 59 & 60 Model D/26/BB). Utilising an internal passive matching network to achieve a 3dB bandwidth from 21 kHz to 44 kHz.



All dimensions in mm

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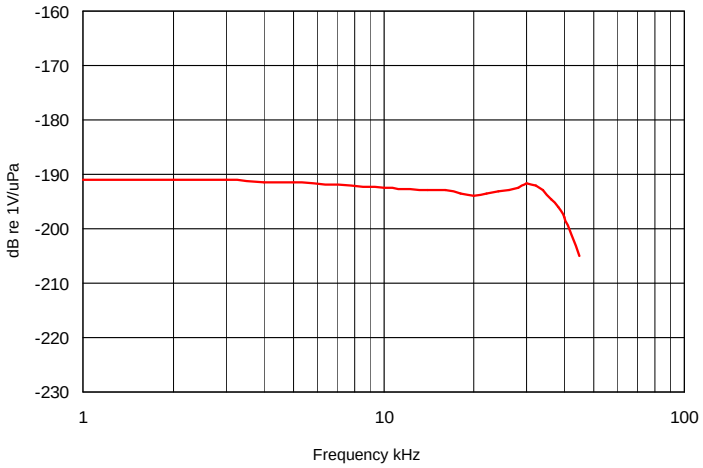
Continued development necessitate specification changes without notice

MODEL D/26

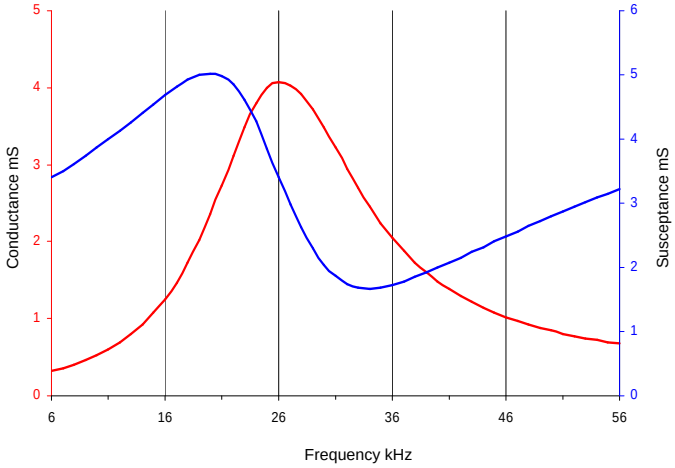
Spherical Projectors

Technical Specification	
Resonant Frequency	26 kHz (Nominal)
Beam Pattern	Omni ± 1 dB up to 35 kHz
Receive Sensitivity	See Graph
Transmit Sensitivity	See Graph
Capacitance at 1 kHz	42,000 pF
Input Power	850 Watts around resonance
Operating Depth	2000 Metres
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Polyurethane Ø12mm 2 Core Screened
Cable Length	10 metres standard Additional lengths supplied to order

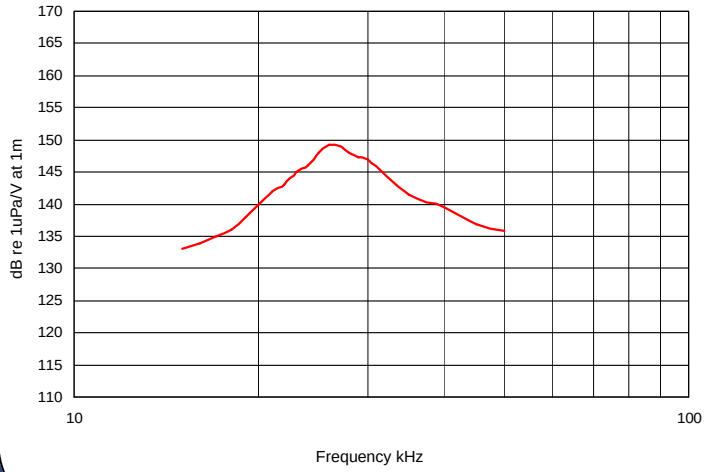
Receive Graph



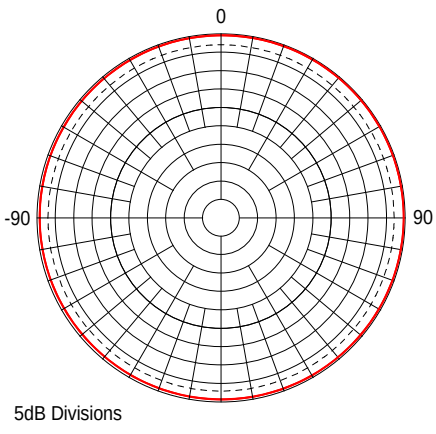
Admittance Plot



Transmit Graph



Beam Pattern at 26 kHz



Data illustrated is taken from actual in-water measurements

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