

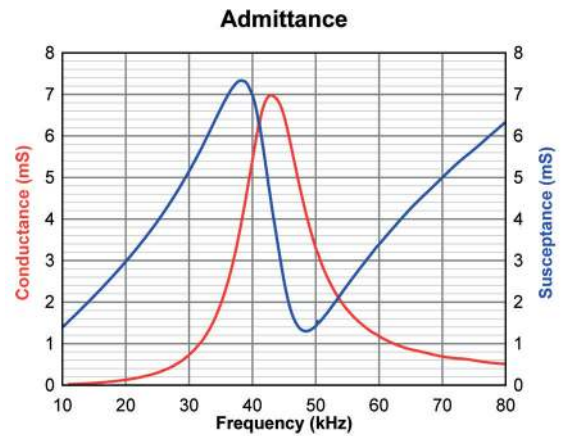
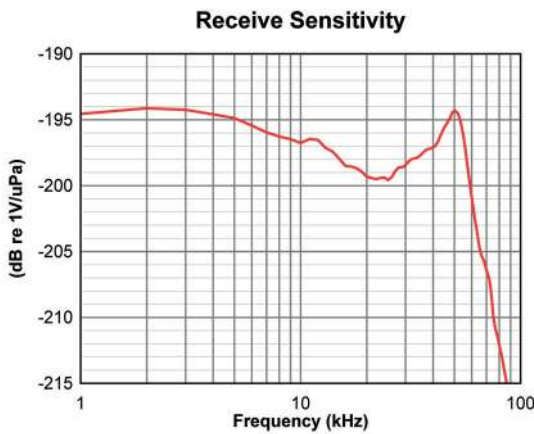
MODEL D/45



- **OMNI-DIRECTIONAL RESPONSE**
- **HIGH POWER PROJECTOR**
- **EFFICIENT TRANSMITTER**
- **BROADBAND OPERATION**
- **DEEP WATER CAPABILITY**

The D/45 spherical transducer is a versatile design providing omni-directional transmit and receive characteristics over a wide frequency range. 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.

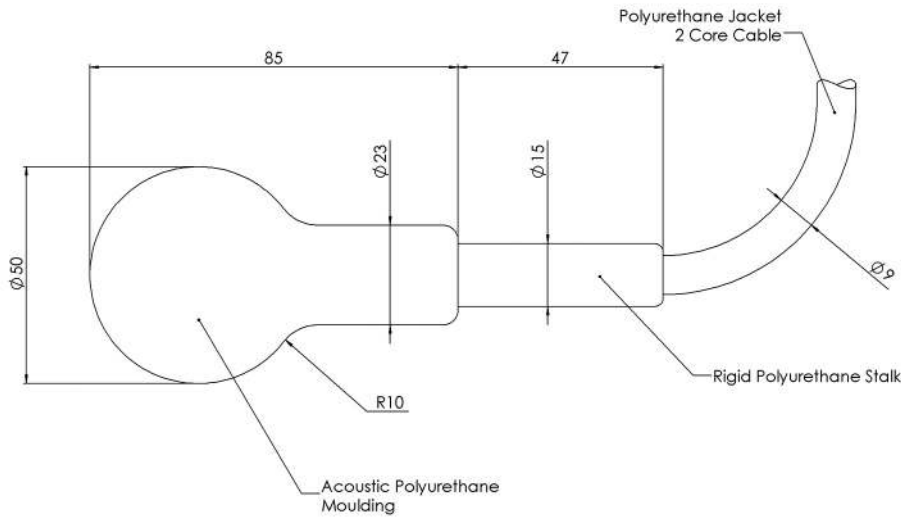
The D/45 is available with or without acoustic calibration which is traceable to National Standards.



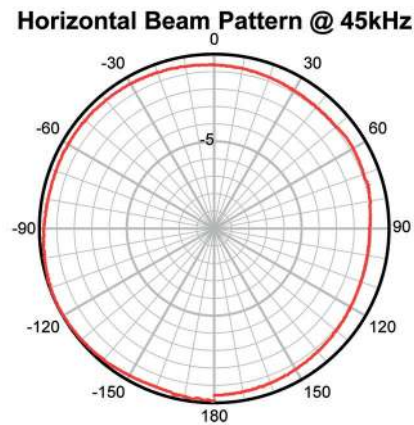
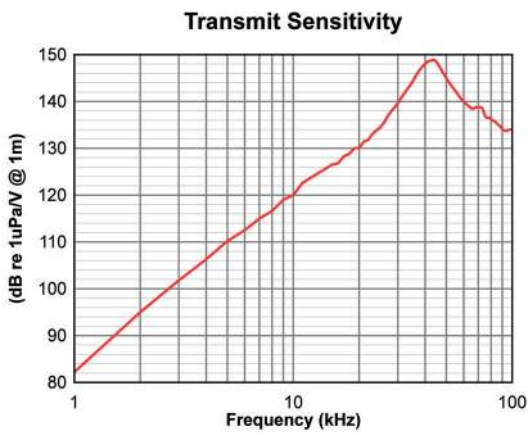
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	45 kHz
Beam Pattern	Omni ± 2 dB up to 55 kHz
Receive Sensitivity	-194 dB re 1V/μPa
Transmit Sensitivity	148 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 10m cable)	22,000 pF
Transmit Voltage (Max)	300 Vrms
Transmit Voltage / Duty Cycle (Max)	300 Vrms at 10% 90 Vrms at 100%

MODEL D/45



All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	2000m Standard (Optional 4000m – both may require an export license)
Weight Air / Water (with 10m cable)	1.1 kg / 0.4 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	$\phi 9$ mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional BNC or Customer Specific)