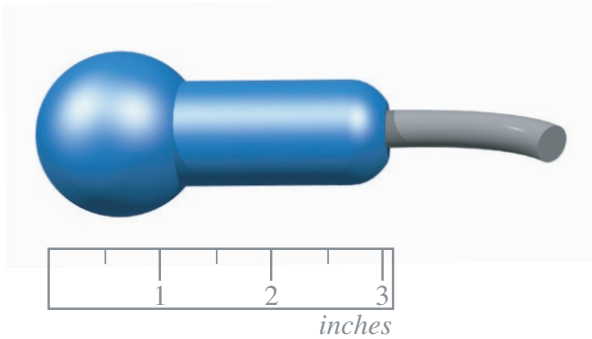


Model ITC-1042

Spherical Omnidirectional Transducer

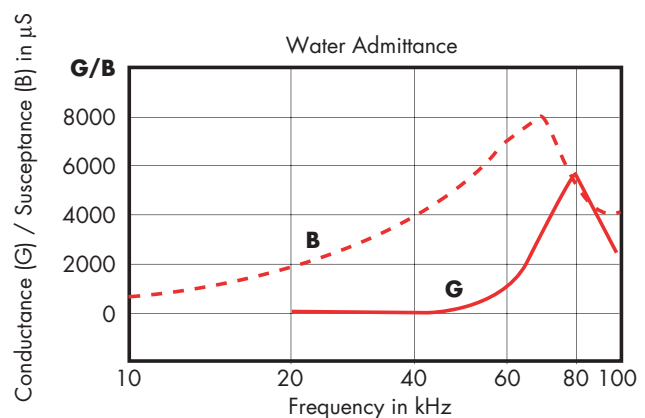
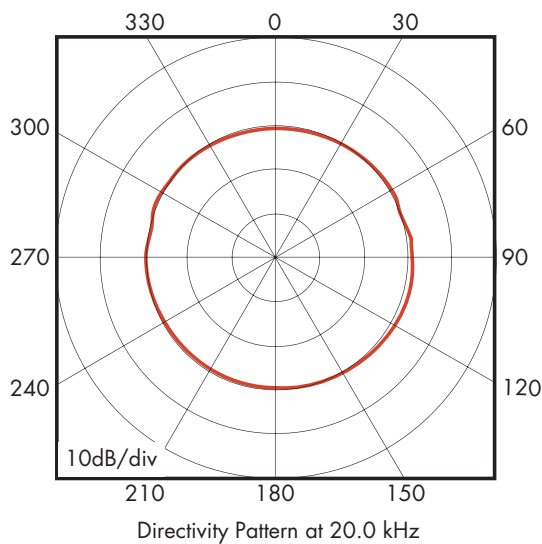
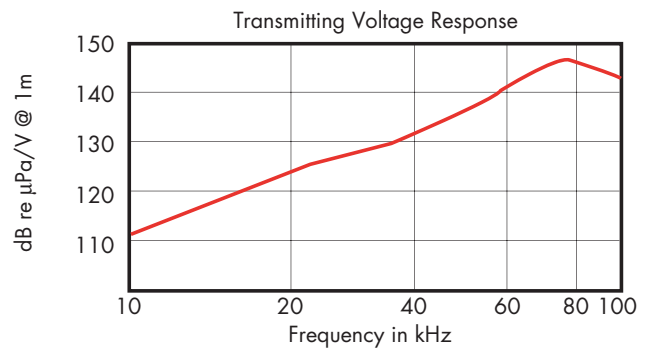
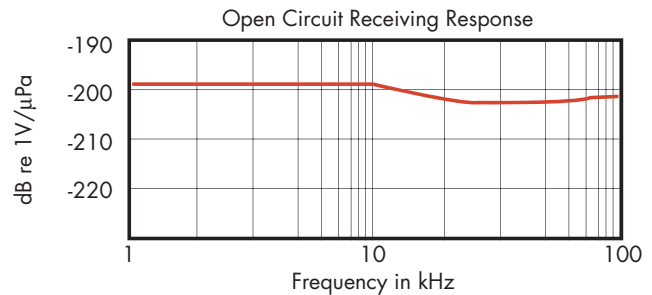
Model ITC-1042

The Model ITC-1042 spherical transducer offers broadband omnidirectional transmitting and receiving response with efficiencies of over 50%. This transducer is fabricated of Channelite-5400 lead zirconate titanate ceramic and is particularly well suited for noise sources as a broadband hydrophone and applications where an omnidirectional response is required. This unit can be supplied with Channelite-5800 for high power applications.



Specifications (Nominal)

Type	Projector/Hydrophone
Resonance Frequency f_r	79 kHz
Depth	1250 meters
Envelope Dimensions (in.)	1.4D
TVR at f_r	148 dB// $\mu\text{Pa}/\text{V}@1\text{m}$
Midband OCV	-200 dB//1V/ μPa
Suggested Band	.01 - 100 kHz
Beam Type	Spherical
Input Power	100 watts



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