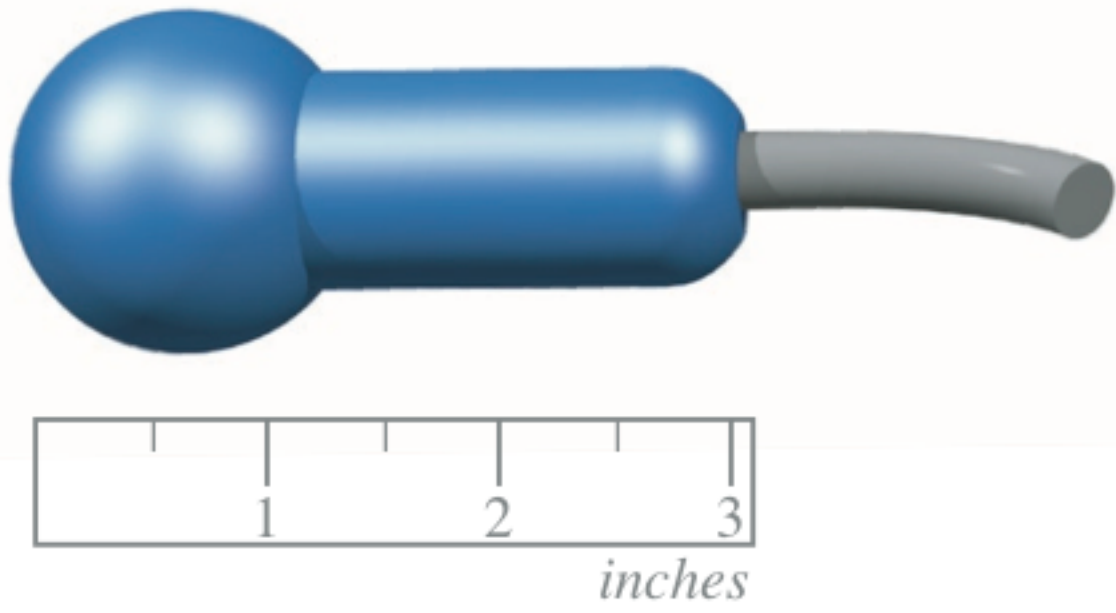


Model ITC-1042

Spherical Omnidirectional Transducer

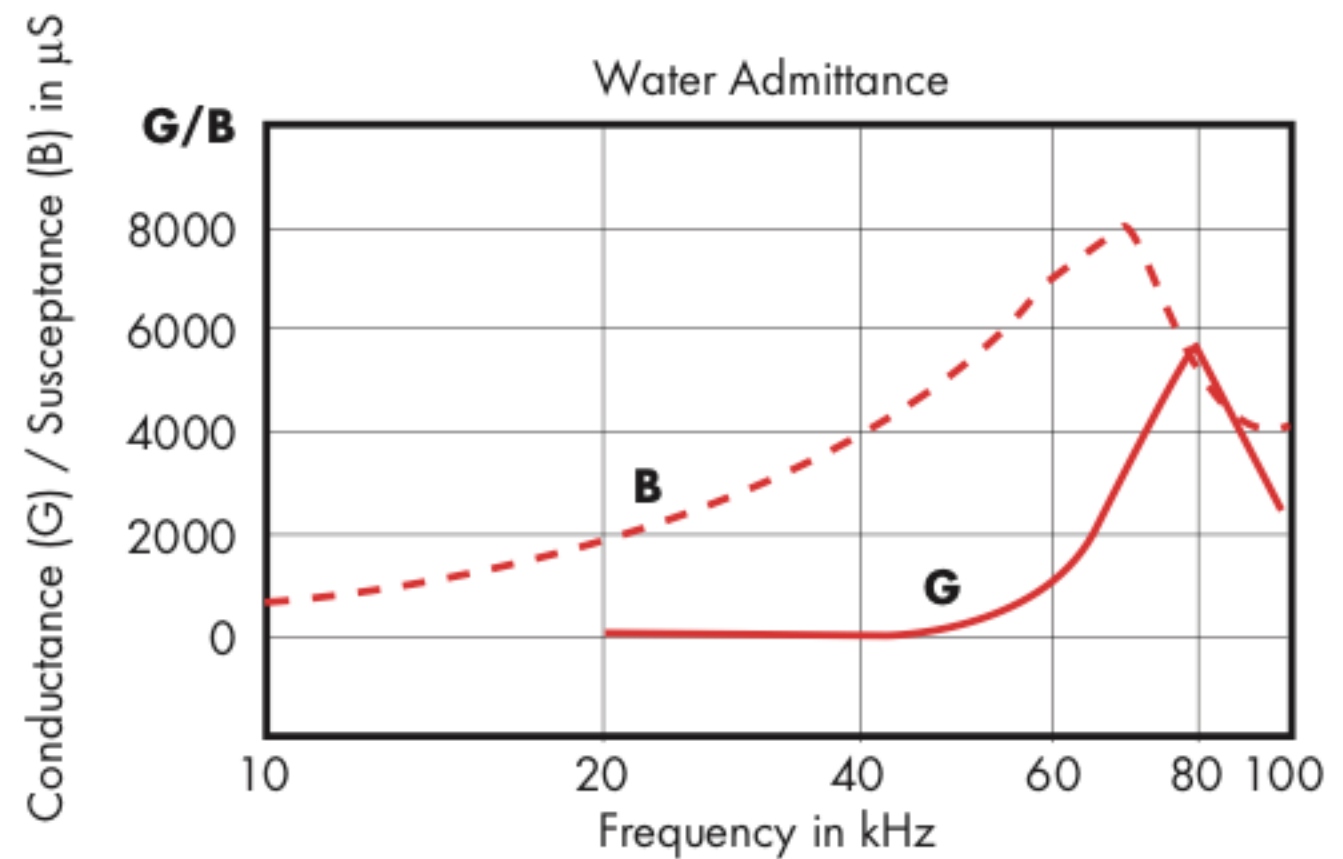
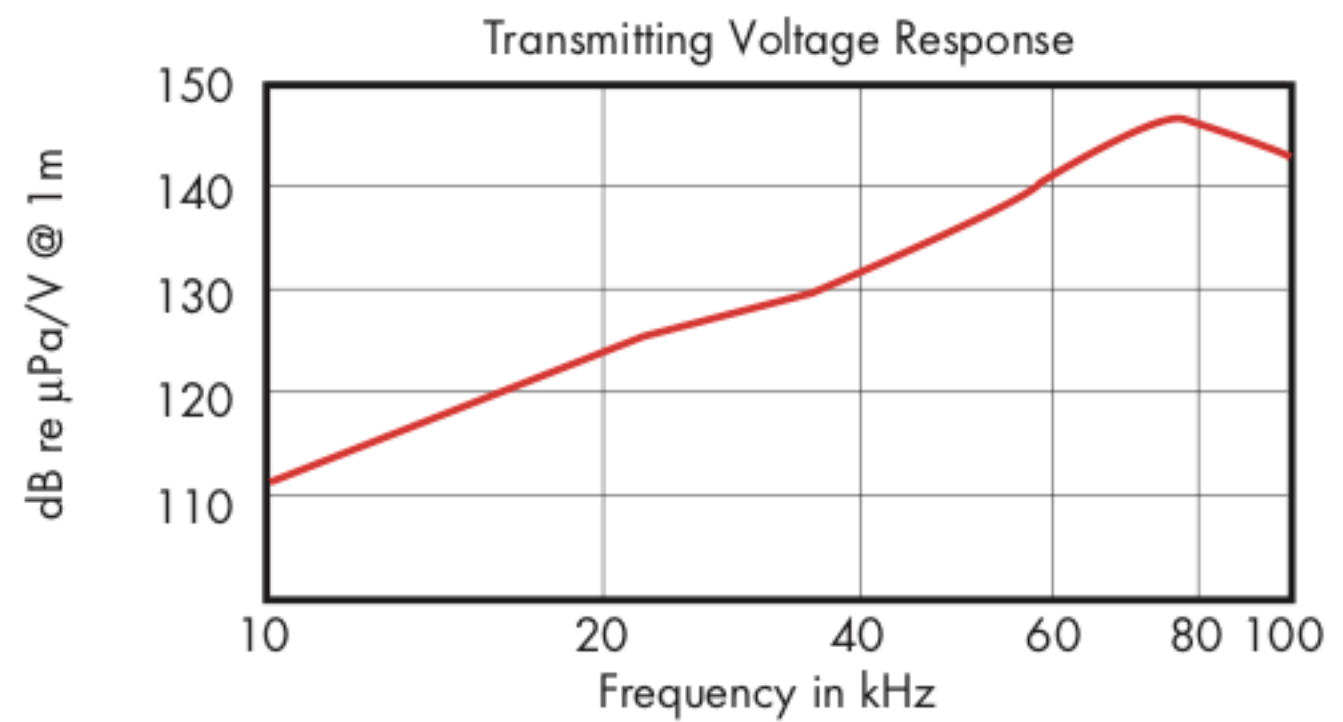
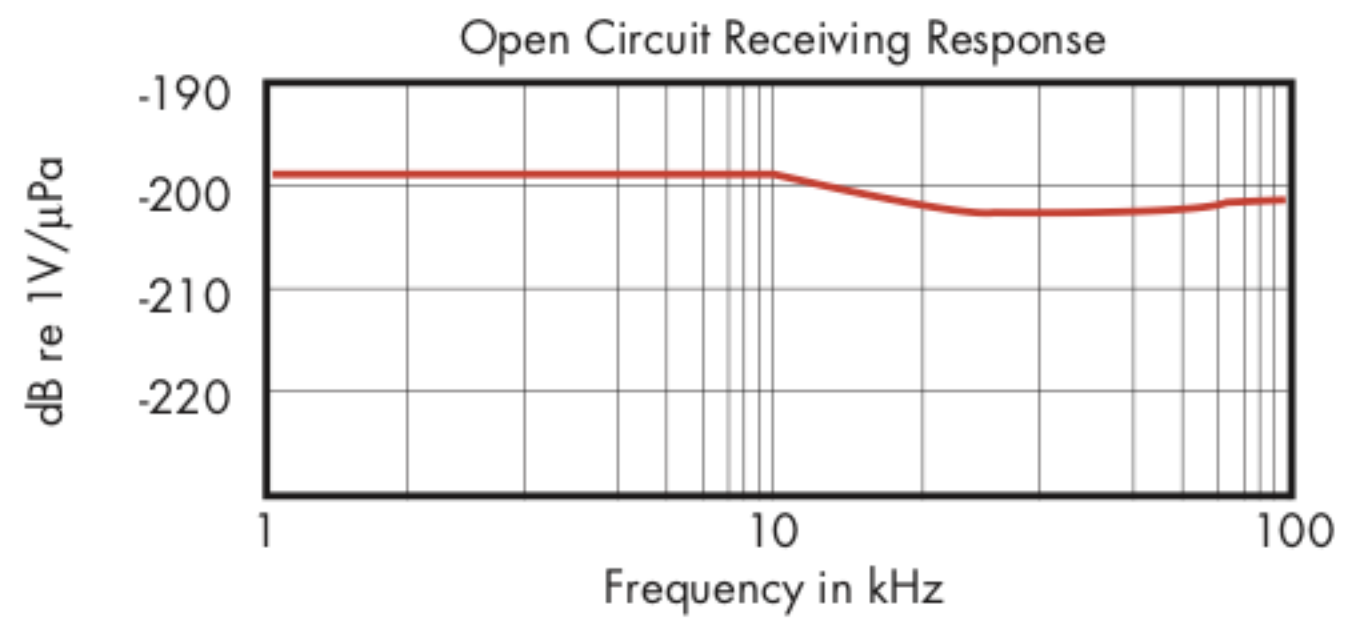
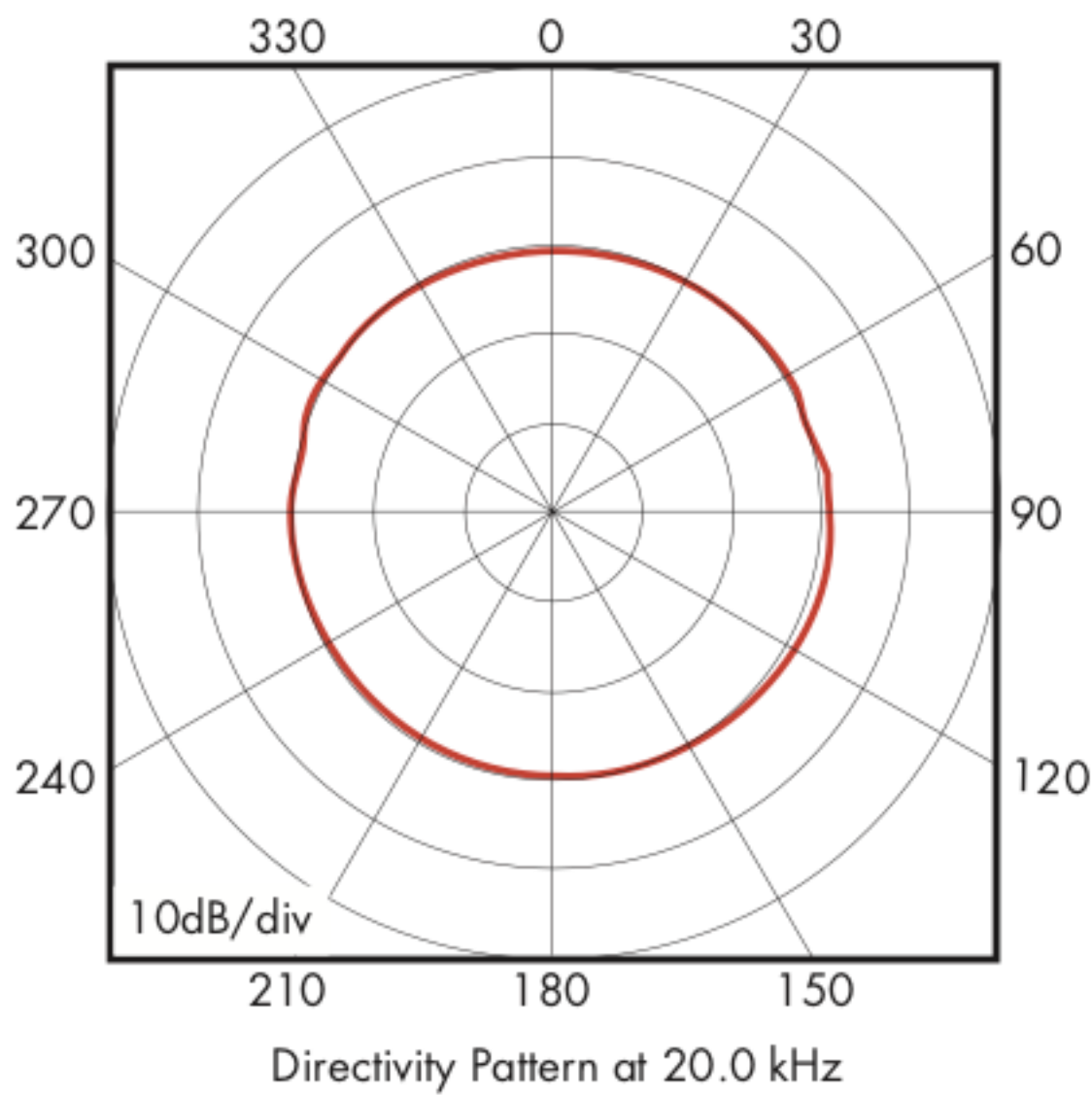
Model ITC-1042

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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