

BII-7517 Communication Transducer

Suggested Application

Remote Control and Telemetry	Underwater Acoustic Network
Horizontal & Vertical Communication	Diver Communication
Artificial Acoustic Target	Pinger/Locator/Transponder/Beacon/Acoustic Release
Echo-Repeater Target, Active-Acoustic Target	LBL/SBL/USBL/Acoustic Positioning/Tracking
Acoustic Deterrent to Marine Animals	Underwater Telephone
Playback Marine Animal Voices/Calls/Whistles/Songs/Clicks	Marine Animal Behavior Research, Bioacoustic Stimuli

Specification

Cylindrical Transducer	Frequency kHz	Q	TVR dB μ Pa/V@1m	OCV dB V/ μ Pa	Maximum Driving Voltage (Vrms)	Beam	Beamwidth HorizontalxVertical	Depth Rating	Size Φ DxH:mm
BII-7517	6.0	3	139.3	-177.1	300	Cylindrical	Omni x 80°	400m	141x75

- Admittance:** Gmax = 0.439mS at 6.0kHz
B = 2.4 mS at 6.0kHz
- Mounting Options:**
1. Default: Free Hanging (FH)
 2. Thru-hole Mounting with Single O-ring (THSO)
 3. Thru-hole Mounting with Double O-ring (THDO)
 4. Bolt Fastening Mounting (Stainless Steel): (BFMSS)
 5. End-face Mounting: (EFM)
 6. Thru-hole Mounting + Free Hanging (THMFH)
- [http://www.benthowave.com/products/Transducer Hydrophone Mounting.html](http://www.benthowave.com/products/Transducer%20Hydrophone%20Mounting.html)
- Cable:**
1. Shielded Cable (SC).
 2. Wire/Cable Bundle (WCB).
- Connector:** Wire Leads (WL)
- Transducer Wiring:** [http://www.benthowave.com/products/Transducer Wiring.html](http://www.benthowave.com/products/Transducer%20Wiring.html)
- Operation Temperature:** -10 to +60°C
- Storage Temperature:** -40 to +60°C