

## BII-7516 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 $\mu$ Pa/V@1m	OCV dB V/ $\mu$ Pa	Maximum Driving Voltage (Vrms)	Beam	Beamwidth HorizontalxVertical	Depth Rating	Size $\Phi$ DxH:mm
<b>BII-7516</b>	8	1.2	137.0	-180.0	300	Cylindrical	Omni x 80°	400m	115x53

#### Admittance:

G = 0.338 mS at 8 kHz  
B = 3.213 mS at 8 kHz

#### 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

## Transmitting Voltage Response

