

Benthos Hydrophones

Confidence Underwater



- LISTEN
- TRACK
- EXPLORE
- LOCATE
- DETECT
- HIGH RELIABILITY





**TELEDYNE
BENTHOS**
Everywhereyoulook™



SPECIFICATIONS

	AQ-2000	AQ-1	AQ-16
Suggested application	Seismic arrays, ocean bottom cables, general purpose	Seismic arrays, ocean bottom cables, general purpose	Seismic arrays, ocean bottom cables, general purpose
Sensitivity (dBv re 1 uPa @ 20 C)	-201	-201	-195
Sensitivity (V/Bar @ 20 C)	8.9	8.9	17.8
Capacitance (nF @ 20 C)	4.5	14.5	3.5
Frequency Response (+/- 1.5 dB)	1 Hz to 10 kHz	1 Hz to 10 kHz	1 Hz to 10 kHz
Depth (meters)	2000	1732	1732
Length (cm)	4.6	4.5	4.5
Diameter (cm)	1.65	1.6	1.6
Weight (g)	14.0	17.3	17.3
Leads	Two AWG 28	Solder pins	Solder pins



AQ-4

RAFOS-1

RAFOS-2

AQ-17

AQ-18

AQ-25

Seismic arrays, ocean bottom cables, general purpose

Bulkhead mount, instrument housings

Bulkhead mount, instrument housings

Gen. purpose preamplified hydrophone, scientific, noise monitoring

Gen. purpose preamplified hydrophone, scientific, noise monitoring

Broadband preamplified hydrophone for general purpose applications

-201

-201

-195

-175.5

-171

-172

8.9

8.9

17.8

168

282

250

2.4

14.5

3.5

N/A

N/A

N/A

1 Hz to 15 kHz

1 Hz to 10 kHz

1 Hz to 10 kHz

1 Hz to 10 kHz

1 Hz to 10 kHz

2 Hz to 90 kHz

3300

1732

1732

1732

1732

1500

3.3

7.0

7.0

15.6

15.6

17.34

1.3

1.6

1.6

2.54

2.54

2.54

4.0

25

25

N/A

N/A

N/A

Solder pins

Solder pins

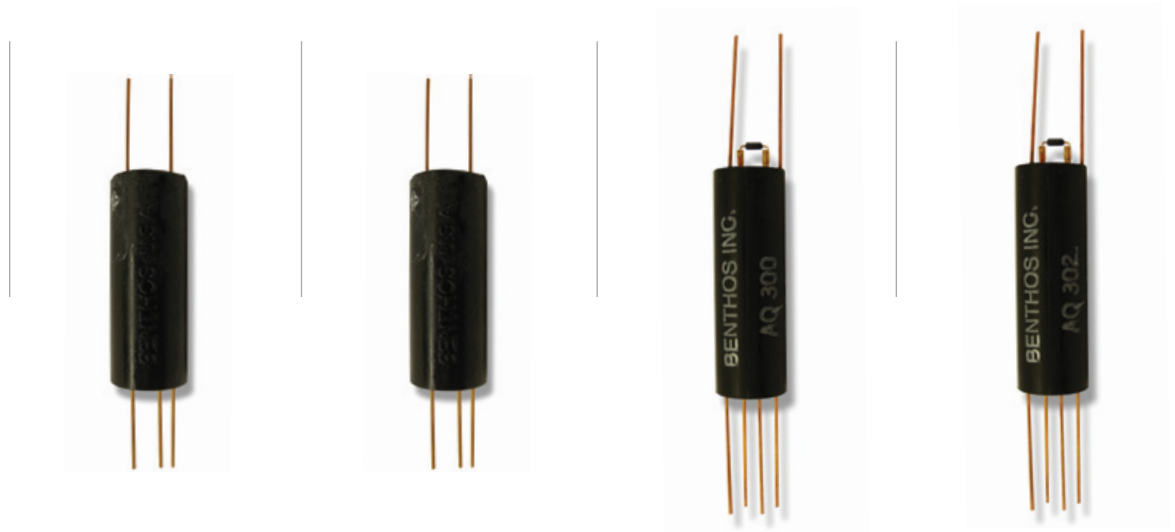
Solder pins

Two conductor shielded cable

Two conductor shielded cable

3 conductor shielded cable

Preamplifiers



	AQ-201	AQ-202	AQ-300	AQ-302
Suggested application	High impedance voltage preamplifier	Lower noise version of AQ-201	High impedance differential voltage preamplifier	Lower noise version of AQ-300
Gain (dB)	26	26	20.8	20.8
Input Impedance (Mohms)	15	15	30	30
Current (Quiescent) (mA @ 12 VDC)	0.3	4.0	0.6	6.0
Input referred noise (nV rt Hz)	<100	<20	<100	<20
Band pass	5 Hz to 12 kHz	5 Hz to 12 kHz	5 Hz to 14 kHz	5 Hz to 14 kHz
Depth (meters)	1732	1732	1732	1732
Length (cm)	4.45	4.45	5.7	5.7
Diameter (cm)	1.74	1.74	1.65	1.65
Weight (g)	17.4	17.4	17.1	17.1

*Typical (depends on hydrophone element)



TELEDYNE
BENTHOS
 Everywheryoulook™

Teledyne Benthos

49 Edgerton Drive, North Falmouth, MA 02556 USA

Tel. +1 508-563-1000 • Fax +1 508-563-6444 • E-mail: benthos@teledyne.com

Specifications subject to change without notice. 3/2013. ©2013 TELEDYNE BENTHOS, a business unit of Teledyne Instruments, Inc. Other products and company names mentioned herein may be trademarks and/or registered trademarks.

www.benthos.com

A Teledyne Marine Systems Company