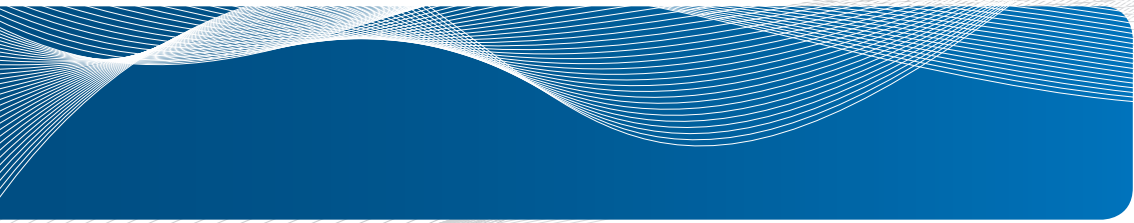


Benthos Hydrophones

Confidence Underwater



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





**TELEDYNE
BENTHOS**
Everywhere you look™



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	-196
Sensitivity (V/Bar @ 20 C)	8.9	8.9	15.8
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



RAFOS-1	RAFOS-2	AQ-17	AQ-18	AQ-25
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	-196	-176	-172	-172
8.9	15.8	158	250	250
14.5	3.5	N/A	N/A	N/A
1 Hz to 10 kHz	1 Hz to 10 kHz	5 Hz to 10 kHz	7 Hz to 10 kHz	2 Hz to 90 kHz
1732	1732	1732	1732	1500
7.0	7.0	15.6	15.6	13.34
1.6	1.6	2.54	2.54	2.54
25	25	N/A	N/A	N/A
Solder pins	Solder pins	Two conductor shielded cable 25ft	Two conductor shielded cable 25ft	3 conductor shielded cable 25ft

Preamplifiers



	AQ-201	AQ-202	AQ-300	AQ-302	AQ-205
Suggested application	High impedance voltage preamplifier	Lower noise version of AQ-201	High impedance differential voltage preamplifier	Lower noise version of AQ-300	Wide Band Preamp
Gain (dB)	26	26	20.8	20.8	30
Input Impedance (Mohms)	15	15	30	30	40
Current (Quiescent) (mA @ 12 VDC)	0.3	4.0	0.6	6.0	<6.0
Input referred noise (nV rt Hz)	<100	<20	<100	<20	<20
Band pass	5 Hz to 12 kHz*	5 Hz to 12 kHz*	5 Hz to 14 kHz*	5 Hz to 14 kHz*	1.7 Hz to 90 kHz*
Depth (meters)	1732	1732	1732	1732	1500
Length (cm)	3.5	4.45	5.7	5.7	3.5
Diameter (cm)	1.3	1.74	1.65	1.65	1.3
Weight (g)	17.1	17.4	17.1	17.1	17.1

*Typical (depends on hydrophone element)



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