

Just plugging headphones into Aquafeeler, you can listen to live underwater sound through the stereo !

This device is composed of two AQH-020 hydrophones(\*) (for 10Hz-20kHz) and a monitor box to adjust signals. Optional hydrophones are available that can extend the hydrophone sensitivity up to 200kHz.

Ideal for behavior studies of marine animals, whale watching or display at aquarium.

### Specifications

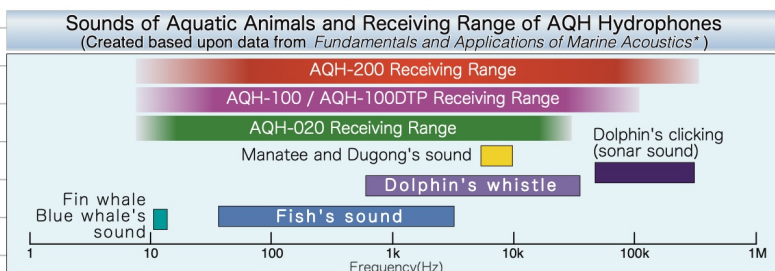
Input-output Channel	2
Hydrophone Sensitivity	10Hz~200kHz
Gain Setting	20, 30, 40, 50, 60, 70dB
Input Impedance	1MΩ
HPF Setting	20Hz, 200Hz, 1kHz, 4kHz (-3dB)
LPF Setting	20kHz, 50kHz, 100kHz, 200kHz (-3dB)
Max. Output Level	0dBV
Over-Level Indicator	Red LED flashes when output is -3dBV (±0.3dB)
Oscillator Frequency	1kHz
Oscillator Output level	0dBV±0.3dB
Input	2 BNC Receptacles
Output (Audio Terminal)	2 BNC Receptacles Φ3.5 Stereo Mini-jack (front) Φ3.5 Stereo Mini-jack (rear)
Power Supply	3 AA batteries DC adapter
Size	125×155×55mm
Weight	Approx.530g (including battery)



Monitoring box can be used alone as an amplifier.

Hydrophone AQH-020

(\*) underwater microphone



\*The Marine Acoustics Society of Japan (2004) *Fundamentals and Applications of Marine Acoustics*. Seizando-shoten Publishing Co., Ltd.

## Hydrophone

Underwater microphone with high sensitivity and flat frequency

	For Low		For Medium Band			For High	
	For shallow water [AQH-020]	For deep water [AQH-020D]	For shallow water [AQH-100]	For deep water [AQH-100D]	For fish tank [AQH-100DTP]	For shallow water [AQH-200]	For deep water [AQH-200D]
Receiving Range	10Hz~20kHz		10Hz~100kHz			10Hz~200kHz	
Hydrophone Sensitivity (*1)	-193dB or more	-195dB or more	-210dB or more	-212dB or more	-205dB or more	-220dB or more	-222dB or more
Max. Depth	50m	2000m (*2)	50m	2000m (*2)	—	50m	2000m (*2)
Capacitance (*3)	10000pF		9000pF			4500pF	
Size	Φ30 × 60mm		Φ16 × 42mm			40 × 25 × 15mm	
Cable	Φ4mm × 10m		Φ2mm × 10m			Φ4mm × 10m	

Coaxial cable with urethane coating

(\*1) re 1V/μPa (\*2) Water pressure corresponding (\*3) when cable is 10m long

### How to use hydrophone for fish tank (AQH-100DTP)



You can listen to the sound in a fish tank through a speaker or headphones attached to the Aquafeeler.

Use grease or a similar material to attach



AQH-020



AQH-100



AQH-200



AQH-020TP

Meeting the needs of marine research by using Underwater Acoustic Technology



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