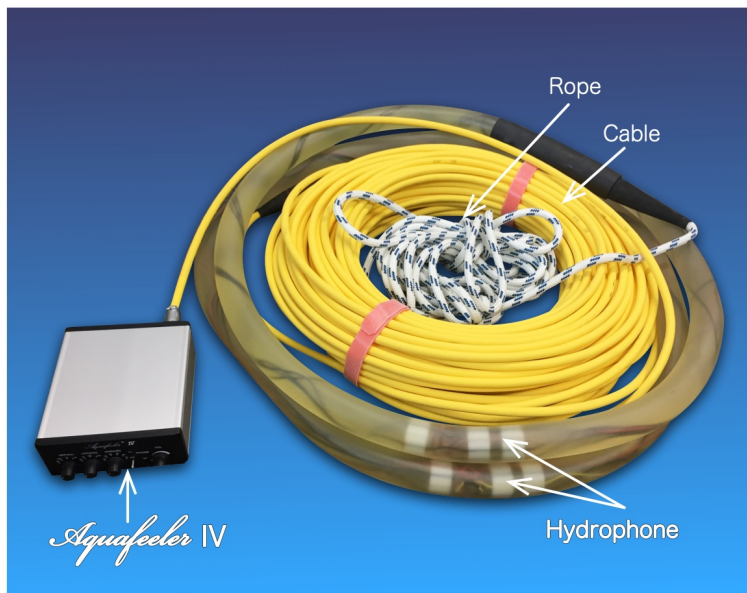
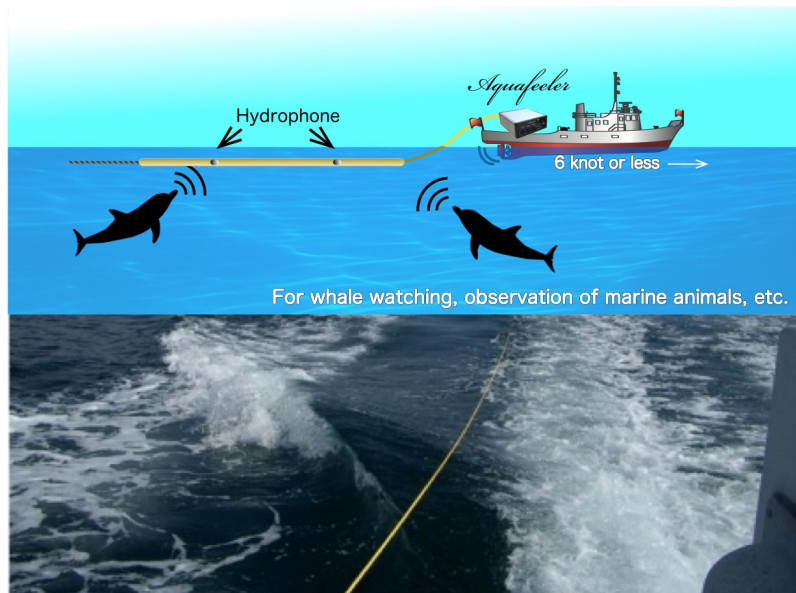


Towed Aquafeeler [AQTH-100]

Towing the Towed Aquafeeler by boat, you can listen to the voices of marine animals such as whales and dolphins.

Unlike the previous ways, we do not have to stop the boat and hang the hydrophone(*) in order to listen to the underwater sound.

Continuous monitoring is even possible now. By connecting Aquafeeler to an external device, we can also record sound.



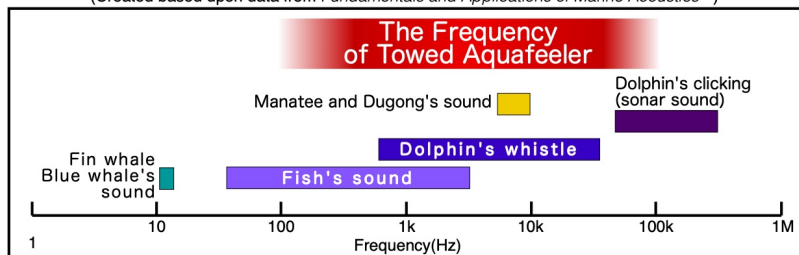
(*) underwater microphone

Specifications

Receiving Range	100Hz~100kHz
Input-output Channel	2
Towing Speed	6 knot or less
Cable	Neutral Buoyancy Cable 60m
Hydrophone	Oil Proof PVC $\Phi 33 \times 4$ m 2 Element Array at 2m intervals
Power Supply	Provided by Aquafeeler
Weight in Air	Approx. 11kg

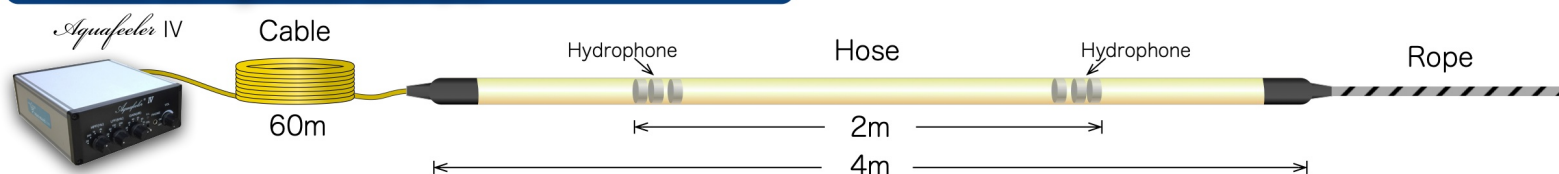
Sounds of Aquatic Animals and Receiving Range of the Hydrophones

(Created based upon data from *Fundamentals and Applications of Marine Acoustics**)



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

Product Configuration (Example)



Specifications of Aquafeeler IV (For Towed Aquafeeler)

Input-output Channel	2
Hydrophone Sensitivity	10Hz ~ 200kHz
Gain Setting	20, 30, 40, 50, 60, 70dB
Input Impedance	1M Ω
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 (± 0.3 dB)
Oscillator Frequency	1kHz

Oscillator output level	0dBV ± 0.3 dB
Output (Audio Terminal)	BNC Receptacle x 2 $\Phi 3.5$ Stereo Mini-jack (front) $\Phi 3.5$ Stereo Mini-jack (rear)
Power Supply	3 AA batteries DC adapter
Size	125x155x55mm
Weight	Approx. 530g (including battery)

Meeting the needs of marine research by using Underwater Acoustic Technology



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Specifications are subject to change without notice.

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