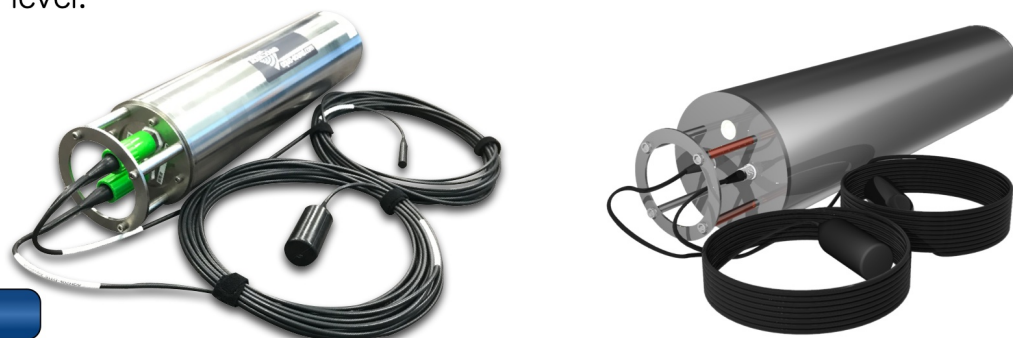


## Simple Automatic Underwater Sound Recording Device

This series is developed to meet the need for an All-in-One automatic underwater sound recording system that enables researcher to determine the positions of marine animals which can hardly be identified via observation.

AUSOMS is available in various sizes, all capable of stand-alone and long-duration recording. The recorded noncompressed data is rich in reproductivity and workability and useful for calculating sound pressure level.



### Specifications

Product Name		AUSOMS-V6.0	AUSOMS-V5.0
Model No.		AQS-060	AQS-051
Feature		Simultaneous recording of 2 frequencies	Capable of long-term stereo recording
Frequency Range	High	1kHz - 200kHz	—
	Middle	—	10Hz - 80kHz
	Low	10Hz - 20kHz	10Hz - 20kHz
Hydrophone Sensitivity		Refer to the below 'Hydrophone' table.	
Gain Setting		20dB - 70dB (*1)	40dB - 70dB (*1)
ADC (Sampling Rate / Resolution)		For High: 768kHz / 24bit For Low: 48kHz / 24bit	192 · 176.4 kHz / 24bit 96 · 48 · 44.1 kHz / 16 · 24bit
Max. Depth		500m	200m - 2000m (*4)
Size (*2)		φ 102×448mm	φ 115×505mm
Weight (in Air/in Water) (*3)		Approx. 6kg / Approx. 3kg	Approx. 10kg / Approx. 5kg

(\*1) 10dB step (\*2) excluding projection (\*3) including battery weight (\*4) depending on types of pressure-resistant case

### 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 shallow water [AQH-200]	For deep water [AQH-200D]
Receiving Range	10Hz~20kHz		10Hz~100kHz		10Hz~200kHz	
Hydrophone Sensitivity (*5)	-193dB or more	-195dB or more	-210dB or more	-212dB or more	-220dB or more	-222dB or more
Max. Depth	50m	2000m (*6)	50m	2000m (*6)	50m	2000m (*6)
Capacitance (*7)	10000pF		9000pF		4500pF	
Size	Φ30 × 60mm		Φ16 × 42mm		Φ10 × 43mm	
Cable	Φ4mm × 10m Coaxial cable with urethane coating					

(\*5) re 1V/μPa (\*6) water pressure corresponding (\*7) when cable is 10m long

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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