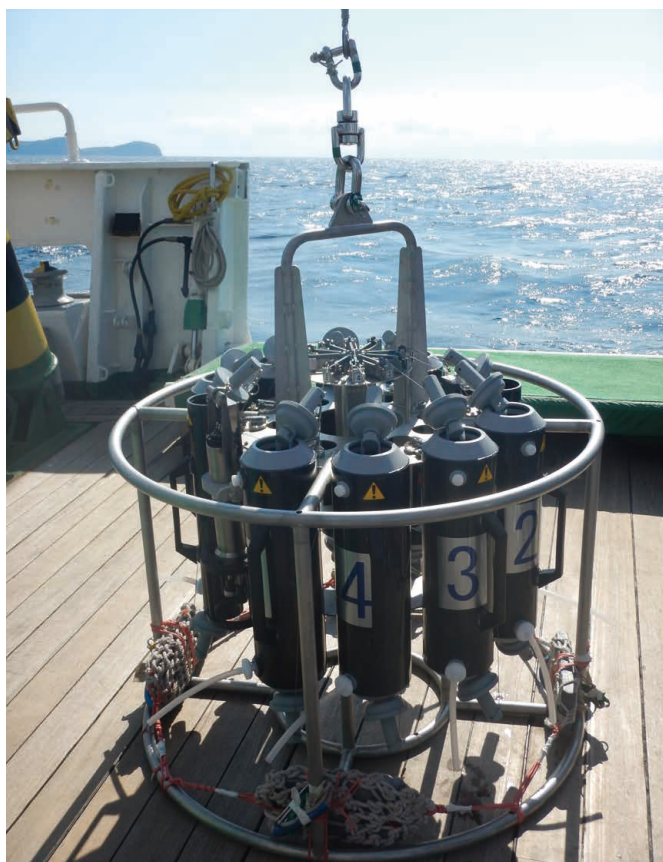


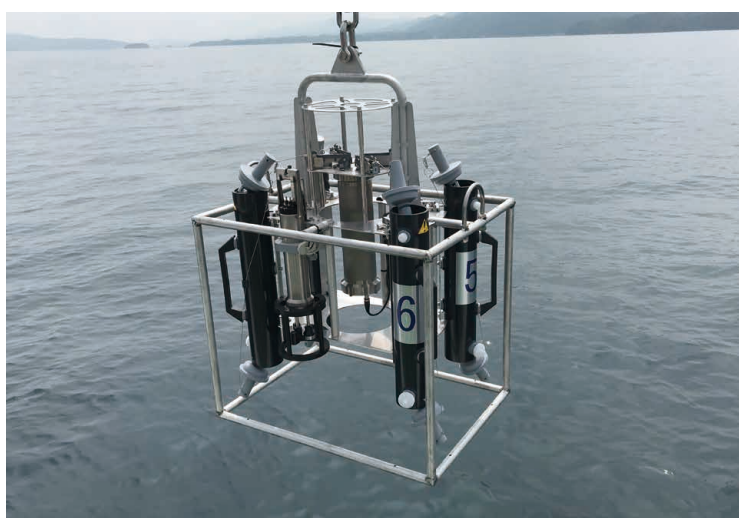


Pre-Programmed Autonomous Water Sampler ***AWS1000 / AWS1000-Z67***



Features

1. Autonomous (battery-powered) operation, no winch cable required
2. Reliable water sampling at any depth with high-precision pressure sensor
3. Can be equipped with ten 5-liter or 2-liter bottles
4. Capable of simultaneous sampling of 2 bottles
5. Compatible with our CTD (RINKO-Profiler)
6. 2,000m depth version also available as AWS2000, 10-bottle type only



Overview

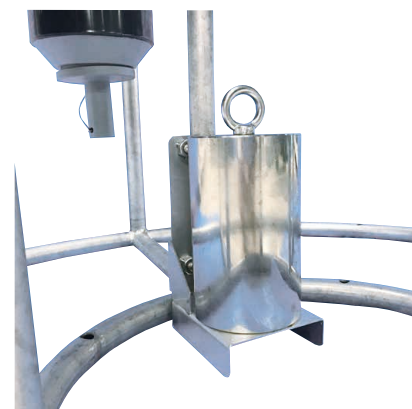
This instrument is a multi-bottle water sampler capable of being equipped with either 10 or 4 water sampling bottles. As it is autonomous, it does not require a dedicated winch, making it suitable for use on small vessels. The sampling depth for each bottle is pre-set by connecting the device to a computer onboard the vessel. When the sampler reaches the set depth, the bottles are automatically sealed. Our CTD (RINKO-Profiler) can be easily attached, and we also provide software that allows linking sampling information.



Power Switch Section



When Attaching CTD (RINKO-Profiler)



When Attaching 10kg Weights *Optional set of 4

■ Frame / Water Sampling Bottle Specifications

Model	AWS 1000		AWS1000-Z67
Water Sampling Bottle Capacity	2 L	5 L	2 L only
Weight(with water sampling bottles attached, empty)	Approx. 65 kg	Approx. 75 kg	Approx. 40 kg
Frame Material	SUS316		
Water Sampling Bottle Material	PVC (internally fluorine-coated)		
Number of Water Sampling Bottles	10 bottles		4 bottles

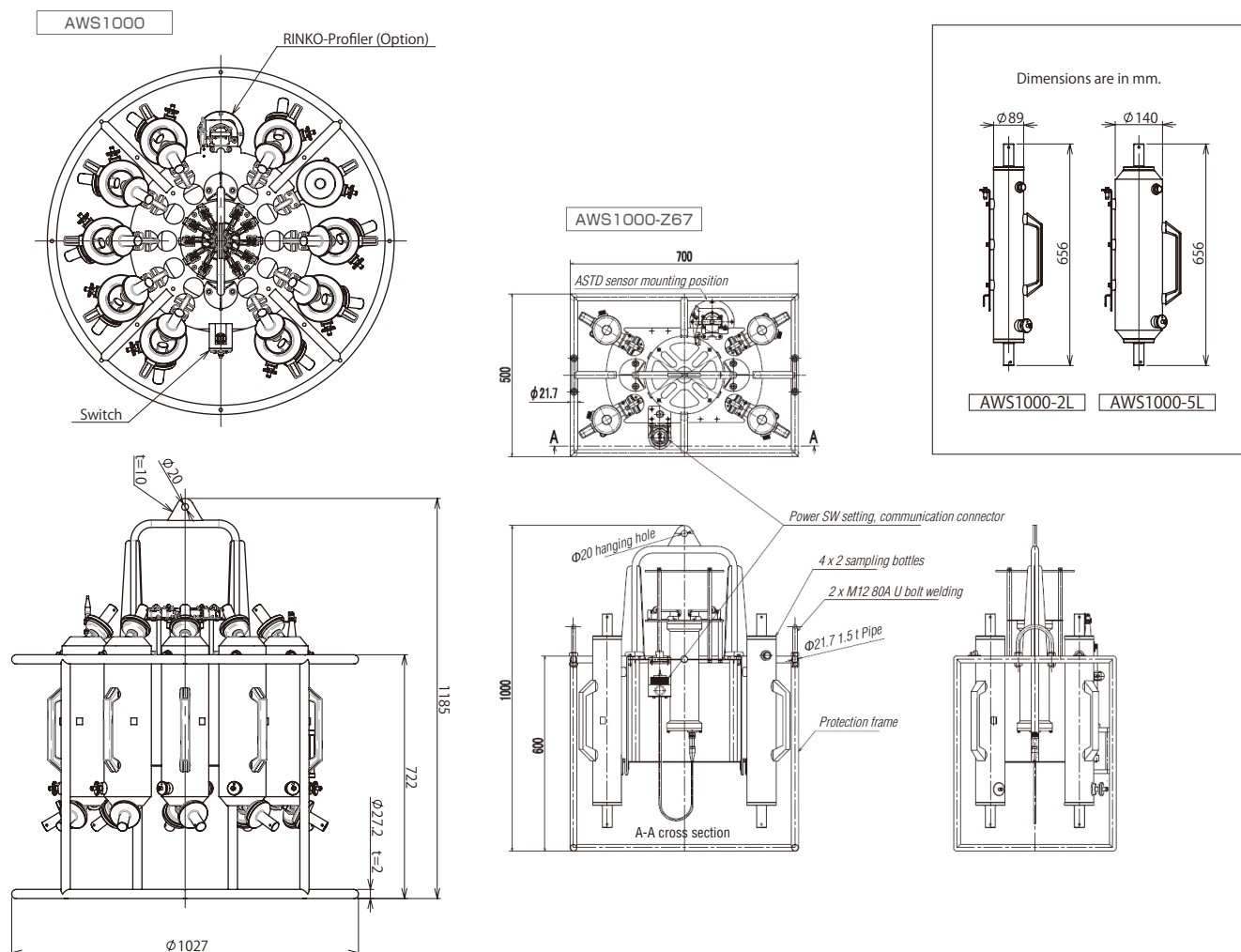
■ Water Sampling Configuration Specifications

Sampling Mode	Depth Trigger	Time Trigger
Simultaneous Sampling Capacity	Up to 2 bottles	
Minimum Setting Unit	0.1 m	1 sec (for single bottle sampling) 2 sec (for simultaneous sampling of 2 bottles)
Minimum Setting Interval	0.5 m	—

■ Control Unit Specifications

Model	AWS 1000
Pressure Sensor Accuracy	Non-linearity $\pm 0.1\%$ FS, Reproducibility $\pm 0.3\%$ FS
Pressure Resistance	10 MPa (equivalent to 1,000 m depth)
Continuous Usage Count	Approx. 15 times for 10-bottle sampling at 1,000 m depth

■ Drawing



■ Interface Specifications

Model	ASTD-IF
Power Supply	AC 100 to 240 V / 4 AA alkaline batteries
Dimensions	W170 mm × H66 mm × D169 mm (excluding protrusions)
Weight	Approx. 1.0 kg

