



By conducting a sediment trap experimentation, the substance flux which comes out of the biological pumping activity can be trapped, where the flux (deposited particles) is collected as integrated events which happen during the trapping. Therefore, this is an optimal monitoring technique to record the transition of events without omission.

The biological pumping activity includes all systematic activities by biological groups which exist in the physical and scientific environment under the sea. As a result, the quantity and the quality of the flux collected contain all information on the physical, scientific and biological elements concerning the environment in the sea.

Thus, the sediment trap is an indispensable apparatus in the study of the substance circulation in the sea.

Time-series models



SMC7S-500



SMC7S-500ex



SMD13S-6000



SMD26S-6000

Specification / Performance

Model	<i>SMC7S-500</i>	<i>SMC7S-500ex</i>	<i>SMD13S-6000</i>	<i>SMD26S-6000</i>
Max. application depth	500m	500m	6,000m	6,000m
Max. application period	6 months	6 months	2 years	2 years
Sampling bottle	500 ml x 7 bottles	500 ml x 7 bottles	250 ml x 13 bottles	270 ml x 26 bottles
Funnel aperture area / diameter	186 cm ² / 15.4 cm	754 cm ² / 31 cm	1,017 cm ² / 36 cm	5,024 cm ² / 80 cm
Dimensions	48 x 48 x H 76 cm	53 x 53 x H 85 cm	OD 63 x H 90 cm	OD 104 x H 160 cm
Weight in air	25 kg	27 kg	48 kg	86 kg
Weight in water	147 N	167 N	294 N	451 N
Power source	Alkaline batteries	Alkaline batteries	Alkaline & Lithium battery packs	Alkaline & Lithium battery packs
Communication	Software (Windows)	Software (Windows)	Software (Windows)	Software (Windows)

For more information about Samplers, see the individual leaflet, web page, or contact us.