



HYDRO-BIOS

Smart Sampling

Datasheet Neuston Net (438 210)

Neuston Net acc. to David/Hempel Model 300

Plankton net for sampling surface and sub-surface fauna



The Neuston Net acc. to David/ Hempel Model 300 has been designed for accurate epineuston and hyponeuston sampling. A current field of application is e.g. microplastic sampling. It consists of a slender catamaran swimmer body of aluminium with relative high draft, caring for a stable position even under choppy conditions at sea. The vertically adjustable double net frame receives the rectangular surface and sub-surface net bags with a standard mesh size of 300 µm (or as per choice between 100 and 500 µm). For easy retrieval the sample is concentrated inside two removable plastic net buckets with side window (covered with sieve gauze). A bridle with one adjustable leg is used to operate the net from starboard, portside or stern.

The maximum speed is rated to 4 knots.

TECHNICAL DETAILS

length	300 cm (Catamaran)
width	200 cm (Catamaran)
height	60 cm
opening area	2 x 0,045 m ²
net bags	400 cm
standard mesh size	300 µm
overall length ready for operation (from bridle to net bucket)	app. 700 cm
weight on air	95 kg
material of frame	anodized aluminium
material of net bag	MOnyl
towing speed (for 300 microns standard mesh size)	4 kn
product ID	438 210