

HTH Sediment Corer

The development of the corers from Pylonex began as a reaction to the lack of developed corers on the market. The HTH corers are designed and developed by scientists wanting an effective corer with the possibility of accurate sub-sampling. Other goals were to create a corer with as few movable parts as possible and a very slim design.

After years of testing and development, the HTH Sediment Corer for soft sediment was released. It set a new standard in its field and has been very much appreciated among scientists around the world.

- To avoid contamination in pollution studies the materials used in the corer are stainless steel and plastics, which also makes the corer very durable.
- The corer is capable of extracting 30 - 40 cm long cores of unconsolidated, recent sediment from lakes or sea from a boat, or in winter through a hole in the ice.
- The unique extruding device offers precision and control when sub-sampling.
- Sub-sampling can easily be performed by one person.
- The first hand choice for leading scientists and researchers.



Technical specifications

Type	HTH 70	HTH 90
Weight	7,0 kg	8,1 kg
Width	125 mm	145 mm
Tube diameter, outer/inner	70/66 mm	90/86 mm
Tube length, standard	50 cm, transparent PC	
Case, (l, w, h)	69x27x28 cm	

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HTH Sediment Corer



The HTH Sediment Corer is a gravity corer for soft sediment.

The corer is capable of extracting 30 - 40 cm long cores of unconsolidated, recent sediment from lakes or sea from a boat, or in winter through a hole in the ice.

The corer is tested at sub-zero temperatures and works very well under arctic conditions.

To avoid contamination in pollution studies the materials used in the corer are stainless steel and plastics, which also makes the corer very durable. These materials also make the routine care and cleaning easy and prevent corrosion, and since there are no lead weights or brass parts there is no risk of heavy metal contamination of the sediment samples.



The closing mechanism releases at 5N when penetrating into the sediment, sealing the upper part of the tube with a rubber disc. The weight of the corer can be adjusted by removing weight rings. The bayonet joint allows quick removal of the tube. The tube is made from transparent polycarbonate and is 50 centimetres long as a standard, but can be tailored up to 100 centimetres.

The extruding device, enabling sub-sampling of the sediment cores, also makes it possible to perform the operation by one person. The extruding device is made up by the piston, the threaded rod and the extruder head. The extruder head consists of two parts; the upper stationary part with clamps holding the tube with the sample, and the lower rotatable part. The lower part is equipped with a lever that can release the extruder from the rod, to allow quick and easy evacuation of the water above the sample, which saves time. The foot plate makes it possible for the extruding device with a full sediment core to stand without additional support.

The sectioning tray is made from one solid piece and holds no movable parts. Attached to the top of the tube, it allows easy sectioning.

