

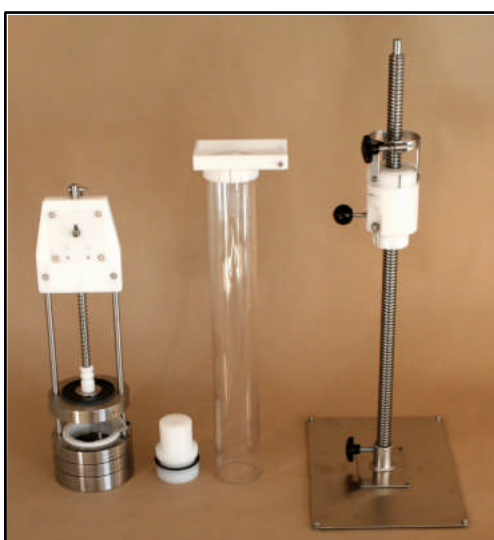
PYLONEX

-GETTING TO THE CORE OF IT!



HTH SEDIMENT CORER

- *One of the the best gravity corers in the market, based on years of research and testing!*
- *Unique extruding device!*
- *One of the most efficient corers, now available to a broader market!*



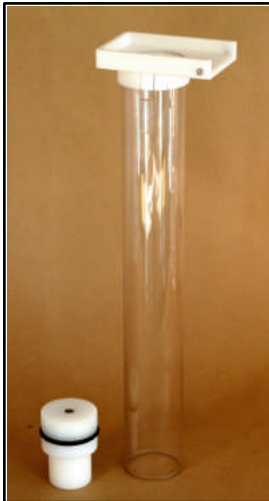
The HTH gravity corer for unconsolidated surface sediments has been developed and tested by scientists at the University in Umeå*, Sweden, and sets the standard for sediment coring equipment and is precise, reliable and easy-to-use. It meets the requirements of the most demanding users, where reliability and credibility are key features. All parts are made from either stainless steel or plastics, chosen to avoid sample contamination. Further, the choice of materials is made to avoid equipment corrosion and to assure many years of trouble-free use. The corer has been designed for use both in summer and in winter at sub-freezing temperatures. When used from the ice, the corer will pass holes made by a standard 15 cm auger.



The sediment corer allows water to flow freely through the tube during descent and the closing mechanism is automatic. Penetration into the sediment can be controlled by adding or removing weights from the corer. The tube is made from polycarbonate and the length is 500 mm. The corer is available in two sizes, with a tube diameter (OD/ID) of 70/66 or 90/86 mm.



The extruding mechanism offers unique precision and control during stratification of the sample. By rotating the lower part of the extruding device 360°, the sediment core is pushed upwards in exact 5 mm increments, 180° gives 2,5 mm thick samples. The lower part of the extruding device can be readily uncoupled from the threaded rod to allow fast, free movement and evacuate excessive water from the top of the tube.



The sectioning tray is attached to the top of the tube for scraping sediment into sample containers. While plastic containers are ideal, the tray has a holder to attach plastic sample bags. The tray is made in one piece from polymethylene plastic (POM) and allows easy and solid mounting. The piston is made from POM and is equipped with a rubber disc instead of O-rings to obtain perfect sealing. The piston is buoyant if dropped in the water.

Technical data

Total width: 125 mm (70mm) 145 mm (90mm)
Total length (tube excluded): 475 mm
Tube length: 500 mm standard, maximum 1000 mm
Tube width: Outer/ inner diameter mm 70/66, 90/86
Weight, corer: 7,0kg (70 mm) 8,1kg (90 mm)
Weight, detachable ring: 1,2kg (70) 1,5kg (90)
Closing force of spring: 5N
Case: (length, width, height) 69x27x28 cm



The transport case is designed to accommodate all the parts of the sediment corer. The base plate of the extruding device can be attached to the case to allow an ergonomic working position. The case is a NEFAB PlyPak box made of plywood and UV coated both inside and outside. This type of packaging is built to last and the galvanised steel profiles create a very strong design.

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*** Scientific reference:**

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