



THE FLEXIBLE SOLUTION

Sediment sampling VIBROCORE



SDI Specialty Devices USA developed a Vibcore-D for sediment sampling. The Vibcore has recently also become available in Europe. Aquifer Consultancy obtained a distribution agreement. The vibcore is a handy device and can be easily operated from a small workboat. With a high vibration frequency the 7.6 cm pipe (PVC, stainless steel, aluminum or acrylic) intrudes into the sediment. This can be done up to 3 m in the sediment. The vibcore can also be rented at Aquifer consultancy.

Use of the Vibrocore

The vibrocore can be used on a small boat and is easy to work with. The core tube can go down to 40 m waterdepth. With a high frequency vibration it can take samples up to 3 meters in sediment layers.

Availability in Europe

This unique measuring device is exclusively available in Europe at Aquifer Consultancy situated in the Netherlands. On a project basis the vibrocore can also be rented at Aquifer Consultancy b.v.

Features and benefits of the vibrocore

- > High frequency vibration which acquires undisturbed cores
- > Thin core tube wall and high frequency operation which results in zero “core compression”
- > Up to 3 m long core samples from up to 40 m water depths.
- > Aluminum, Stainless or plastic 2” or 3” core tubes for trace metals and pesticides.
- > Designed for small boat operation.
- > Powered by two 12 volt batteries.
- > SDI “Core Keepers” available for very soft or coarse sand sediments.
- > Integral top vent and seal helps retain soft sediment samples.
- > Unique, power saving “Energy Storage Ring” design multiplies the effectiveness
- > Quick-change and long-life core tube mount pins make core tube mounting a simple operation.
- > “Float and Weight” VibeCore Guide available for deep water or higher current sites
- > Install core catchers as needed. No Core Liner required.



VIBROCORE



Specifications VIBROCORE

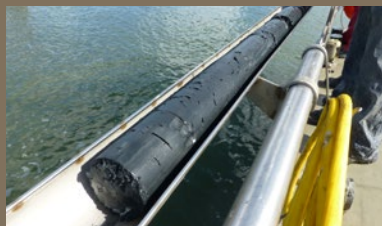
Input voltage	20-28 V
Estimated Cores per battery Charge	> 75 cores
Operating Frequency	67 to 100 Hz
Working Water Depth	40 m
Core Tube Materials	Aluminum, PVC, Acrylic, Polycarbonate, Stainless Steel
Core Tube Diameter	74 mm
Core tube wall	1.5 mm
In-Water Weight Core Head	11 kg
Shipping Weight	54.5 kg
Add on weights	1 tot 10 kg
Operating Temperature	2 tot 45 °C
Storage Temperature	20 tot 60 °C

Aquifer Consultancy

Supplies are available at Aquifer consultancy such as core-keepers and core tubes. We can also supply other products from SDI Specialty Devices such as bathymetric equipment.

Waterquality monitoring

Aquifer consultancy can also provide full sediment sampling research including ecological and waterquality monitoring and can take care of permits, environment and other services. We refer to www.aquiferconsultancy.com for more information.



AQUIFERCONSULTANCY

Dr. Langeveldplein 6
3361 HE Sliedrecht
The Netherlands

T +31 184 413 147
M +31 6 247 459 47
E info@aquiferadvies.nl

www.aquiferadvies.nl