



Key Features

- Samples can be easily emptied using the piston, into a clean stainless-steel bucket.
- 5-8 meters depth based on amount of extension rods.
- Contaminant free stainless-steel body
- Possible to hammer the sampler.
- Takes samples quickly.

The Beeker sediment sampler is rod-operated and has a closable cutting head and piston. This sampler is used for high accuracy sampling of very soft to medium hard sediment layers.

With the Beeker sampler, you can take fast undisturbed sediment samples from aqueous sediments (“thick water”) to unconsolidated sand to a depth of 5 metres. Even with a highly liquid sample, the sample will not be lost thanks to the closable cutting head.

Using additional extension rods, sampling to further depths is possible in certain cases. The Beeker sediment core sampler works almost the same way as a Multisampler / piston sampler, but with a lockable head with inflated membrane.

Standard and extended sets are available.

Applications

- Soil profile description and classification
- Environmental soil research
- Undisturbed sampling
- Geohydrological research
- Sediment sampling

Specification	
Connection	Screw thread
Sampling diameter	57 mm
Maximum sample depth	5-8 m
Product material	Stainless steel, iron, PVC, other material
Power supply	Manual
Sampler position	Vertical
Sample length	1 m



Specification	
Sample stored in	Transparent PVC tube (ø 63 x 57 mm)
Tube length	1 m, optional 1.5 m
Sample volume	2.4 - 3.5 l
Package size	146 x 62 x 54 cm
Weight	57 kg

Method

Apply pressure (2 bar is always enough) with the pressure pump and check that the pressure does not fall again. If there is any leakage, it may be necessary to replace the O-rings or tighten one of the connections. The piston is now fixed tightly into the cutting head and will not slip while the sampler is being lowered.

Lower the sampler, while fitting extra extension rods if necessary and make sure that the hose connector does not get caught anywhere. When the sampler feels lighter, you have reached the solid bottom. Depending on how much very thin sediment ("thick water") you expect, pull the sampler upwards and a little to one side.

Now pull the piston cord tight and stand on it or fix the cord in some other way. The piston will remain at the same height from now onwards. Push the sampler down further. If you do not achieve the desired sample length, take the impact absorbing hammer and drive the cutter further into the bed.

Once the required depth is reached (or when hammering has no more effect), replace the air hose in the pressure pump and apply two to no more than three bars pressure. Then pull the sampler upwards gradually and in a straight line.

You can then view the profile or transfer the sample into a gutter or bucket using the piston.

Variations

In addition to the standard set (04.23.SA), an extended set (04.23.SB) is also available. The Beeker sediment core sampler, extended set is like the basic set, however supplied with the discharge and partitioning system allowing you to divide the sample into subsamples with water pressure.

Set contains

- Transparent tube of 1 metre
- Piston + piston rod
- Battery powered pressure
- Vacuum pumps with extension hose
- Hammer
- Handles
- Extension rods
- Non-stretch cord
- Sample bucket
- Brush and accessories
- Aluminium transport case

