



Key Features

- Horizontal sample container
- Suitable for analysis of heavy metals in coastal waters
- Minimum contamination
- No sample contact with metal parts
- Sampler holds 2.2 litres

Applications

- Water quality research
- Monitoring water quality
- Water sampling
- Analysis for heavy metals in coastal waters

The Van Dorn water sampler, set (horizontal water bottle) is specially designed for sampling of open water

As a result of the material choice, the set is also suitable for sampling coastal waters and for the analysis for heavy metals. Our CTD Diver is well paired with it as it can be used to monitor temperatures, vertical water depth and, if required, conductivity (in corrosive environments).

The horizontal water flow through is not hindered by constrictions so that no appreciable contamination can occur in shallow water. As a result, the sampler is also suitable for measuring parameters in water with solid particles or constituents bound to them, possibly in large quantities. The Van Dorn water sampler holds 2.2 litres. The sample does not encounter any metal parts.

Set contains

- This set is complete with falling weight, 30 metres of polyester rope and transport case

Specification

Specification	
Size (L x W x H)	10 x 10 x 30 cm
Point or profile	Point sampling
Power supply	Manual
Product material	PVC, other material
Rod or Cable length	30 m
Rod or cable operated	Cable
Sample specification	Disturbed



Specification	
Sample stored in	Tube
Sample volume	2200 ml
Sampler position	Horizontal
Package size	47 x 19 x 35 cm
Weight	5.4 kg

Method

1. Place the bottle so that the bushing on the trip mechanism is on the top of the handle then run the rope or cable through the hole in the trip assembly.
2. Tie off the rope or secure the cable so that it cannot pull back through the hole. It must be securely fastened to hold the weight of the bottle when filled with the sample.
3. Find the stainless-steel pins in the trip assembly and find the white balls on the cable assembly.
4. Pull the stoppers out of the ends of the main tube so the loop in the cables can be placed over the closest pin. The bottle is now in the "SET" position
5. Lower the bottle to desired depth in the water, keeping the line taut. Pull bottle sideways to obtain a water sample for the desired depth.
6. Drop the falling weight down the line, it will strike the tripping mechanism, causing the cables to release and the stoppers to close, trapping the sample inside the bottle.

