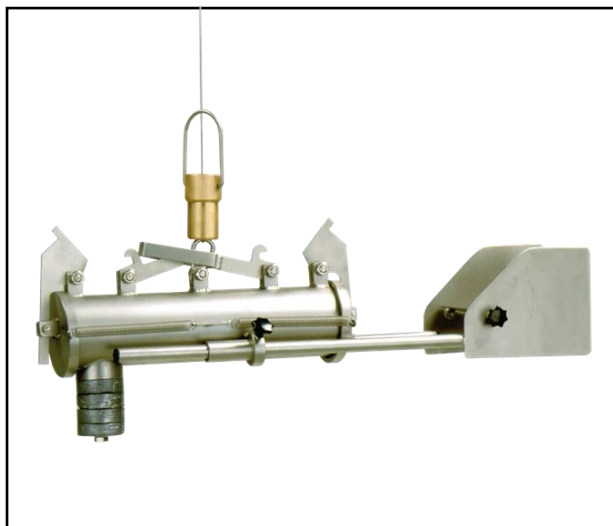




Key Features

- Easy determination of sediment load
- Also applicable in high current waters
- Representative samples from running water up to a depth of 25 m
- Stainless steel construction
- Cable operated

The "Watertrap" water sampler is cable-operated and equipped with drop messenger. With this set, it is easy to determine the sediment load. The set can also be used in waters with high current.

The Watertrap sampler has been designed to take representative samples from running water up to a depth of approximately 25 metres. Samples are taken with the stainless-steel device by catching part of a horizontal moving column at a certain moment at a certain depth.

Applications

- Chemical analysis
- Biological- and bacteriological analysis
- Thermal analysis (cooling water disposal)
- Mineralogical analysis
- To measure mud-and/or soil transported by water, relative to the direction of flow

Set contains

- The stainless-steel water sampler
- Falling weight
- Hand winch unit with 25 metres steel cable
- Telescopic arm with fastening clip and depth counter
- Transport case & cleaning and maintenance accessories

Specification

Specification	
Size (L x W x H)	7 x 7 x 30 cm
Maximum sample depth	< 25 m
Point or profile sampling	Point
Power supply	Manual
Product material	Stainless steel
Rod or cable length	25 m
Rod or cable operated	Cable
Sample specification	Undisturbed



Specification	
Sample stored in	N/A
Sample volume	1.25 l
Sampler position	Horizontal
Package size	70 x 37 x 27 cm
Weight	21.9 kg

Method

The water sampler is lowered by the included hand winch fitted with a steel cable. The winch is attached to a telescopic arm; an attachment clip allows the unit to be fixed to the railing of a bridge or boat. The depth at which the sampler is located can be read from a depth counter. The spring-loaded valves are set open before the sampler is lowered.

As soon as the sampler is positioned at the right depth, the falling weight is released and it slides down the cable; at the end the weight hits the arms of the clamps, resulting in the closing of the downstream valve first, followed only a moment later by the upstream valve.

The valves have rubber seals to ensure a watertight enclosure of the sample during retrieval. For correct sampling it is important that the water sampler is suspended in horizontally in the water; this can be achieved by:

- Adjusting the horizontal tail fin
- Sliding the tail fin rods through the guiding tubes
- Altering the weight under the front of the stainless-steel cylinder