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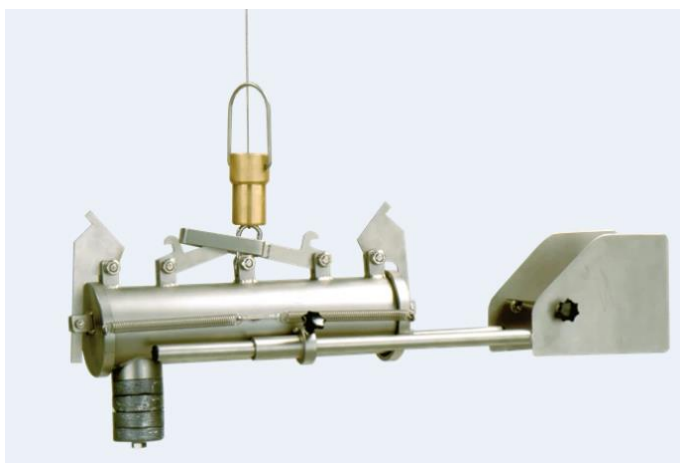
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Watertrap water sampler

12.02



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.

- Easy determination of sediment load
- Also applicable in high current waters
- Representative samples from running water up to a depth of 82 feet (25 m)
- Stainless-steel construction
- Cable operated

Description

The Watertrap water sampler has been designed to take representative samples from running water up to a depth of approximately 82 feet (25 meter). Samples are taken with the stainless-steel device by catching part of a horizontal moving column at a certain moment at a certain depth. The sampler is also suitable for high current waters.

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 and keep the valves in an open position.

As soon as the sampler is positioned at the right depth, the falling weight is released and slides down along the cable; at the end the weight is hitting 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. By opening the valves, the sample can be discharged. By relocating the weights and adjusting the fins, it is possible to hang the sampler in any required position. For correct sampling it is important that the water sampler is suspended in balance in the water. Bringing the sampler in balance 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

Applications

The representative samples can be used for:

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

Set contains

- The stainless-steel water sampler
- Falling weight
- Hand winch unit with 82 feet (25 meter) steel cable
- Telescopic arm with fastening clip and depth counter
- Transport case
- Cleaning and maintenance accessories

Specifications

Watertrap water sampler	
Size (L x W x H)	2.7 x 2.7 x 11.8 inch 7 x 7 x 30 cm
Maximum sample depth	< 82 feet 25 m
Point or profile sampling	Point
Product material	Stainless steel
Rod or cable length	82 feet 25 meter

Watertrap water sampler

Rod or cable operated	Cable
Sample specification	Undisturbed
Sample volume	1.25 l
Sampler position	Horizontal
Package size	27.5 x 14.5 x 10.6 inch 70 x 37 x 27 cm
Weight	48.2 lbs 21.9 kg

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