

2.3 Sampling

12.06 Van Dorn water sampler

The Van Dorn water sampler (vertical water bottle) has been specially designed for the sampling of open water. As a result of the material choice, it is also suitable for sampling coastal waters and for the analysis for heavy metals. The vertical 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 litre.

Applications:

- Various, including analysis for heavy metals in coastal waters.

Advantages:

- Complete with drop-weight, 30 metre polyester rope and transport case;
- The sample does not come into contact with metal parts;
- Minimum contamination;
- The CTD Diver can be used to monitor temperatures, vertical water depth and, if required, conductivity.

12.06

12.07 Kemmerer water sampler

The Kemmerer water sampler (vertical water bottle) is used for general water sampling in lakes, channels, wells and the sea. This sampler consists entirely out of plastic parts so that there is no risk of the sample coming into contact with metal. The Kemmerer water sampler holds 1.2 litre.

Applications:

- Water sampling in lakes, channels, wells and seas;
- Not suitable for chemical sampling for micro-parameters (use the Van Dorn water sampler for this kind of analysis).

Advantages:

- Bottle is made from transparent acrylic;
- The sample does not come into contact with metal parts;
- There are no constrictions at the top or bottom so that there is minimal vertical contamination;
- Complete with drop-weight, 30 metre polyester rope and transport case;
- The CTD Diver can be used to monitor temperatures, vertical water depth and, if required, conductivity.

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12.10 Automatic portable continuous sampler **DELETED**

This very complete automatic, portable sampler can be used for continuous sampling at preset intervals in brooks, rivers, lakes and other open waters. The instrument collects sequential or combined samples, depending on the time, current or storm conditions. The patented detection possibilities for the presence of liquids and the well-thought-out pump sampling system ensure accurate sample vacuums every time.

Applications:

- Automatic continuous sampling for:
 - wastewater treatment plants;
 - water production plants;
 - flooding situations;
 - wastewater originating from industry;
 - studies into the pollution of surface water.

Advantages:

- Comprehensive programming options, easy to use;
- Delivers accurate sample volumes;
- Five different types of sample bottle holders (the 24 sample bottle holder is the standard version);
- Sample bottle holders can be exchanged rapidly;
- The high insulating value of the housing guarantees that samples are kept at the optimum temperature (even at high or low temperatures).

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