

# WW50

Ground level operated water sampling system



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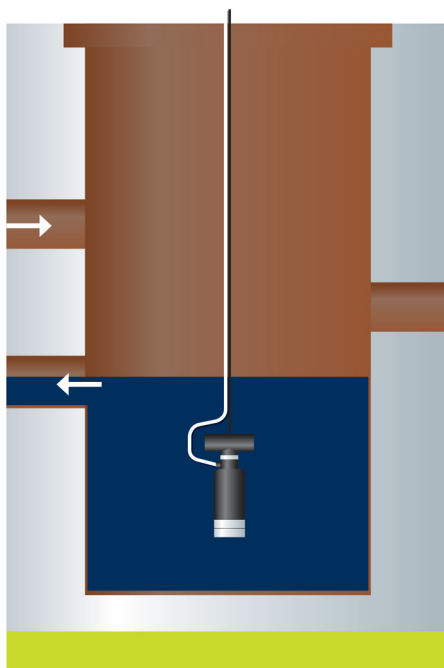
The WW50 is an easily operated passive sampling system for time averaged water quality measurements. It provides reliable and representative data whilst reducing costs, logistics and labor used when sampling. The WW50 is used in combination with Sorbicells cartridges and can be used for water quality measurements in wastewater, surface water, basins, lakes and ponds.



WW50 is applicable for measuring from 0,5-10 meter below water table and is mounted by lowering it into the water from the surface with a wire.

The Sorbisense WW50 is a hollow polythene container for 1 Sorbicell with an air vent, closed with a lid at the top and on the side. 2 stainless steel weights ensure that the sampler can be lowered under water. The top lid is fitted with holes which is used for mounting a wire for mounting the WW50. Side lid can be removed for emptying the container when ending sampling or changing Sorbicell. Air vent is used for mounting an air tube securing surface pressure in the container.

The water pressure will push water through the Sorbicell, slowly filling the WW50. The air venting tube enables the air inside the WW50 to escape to the atmosphere. Sorbicells are available with different adsorbents and hydraulic resistance enabling measurements of various analytes at various depths and periods.



Please check the Sorbicell Product Sheets for choosing the appropriate type depending on analyte, measuring depth and period.

When the measuring period is over the Sorbicells are removed and sent to a laboratory for analysis. The WW50 is emptied through the side lid (the water may be measured or weighed and used for later check of the tracer salt measurement) and is ready for re-use.

### Technical specifications:

Diameter	80 mm
Height	25 cm
Weight	1.2 kg incl. stainless steel weights
Sample volume	500 ml
Dimension, air venting tube	6/8 mm
Materials	Polythene tube and lids, stainless steel, rubber o-ring
Number of measurements	1
Measuring depths	0.5-10 meter below water table



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### Please observe the following:

Sorbisense WW50 is used for measuring 0.5-10 meters below the water surface. The WW50 should be fixed at the desired measuring depth by fixing the wire at the top.

Make sure the air venting tube is mounted tightly and secured with the screw to prevent false water entering the container.

Make sure the air venting tube is not bent – this may prevent air from escaping the WW50.

Measuring closer than 0.5 meter below the water table is not recommended.

A measurement does not require a total filling of the sampler! If the WW50 is partly filled the detection limit is higher but the average concentration is still correct.