

AquaBox

Automated multichannel and multiparameter sampling and measurement unit

AquaBox is a central unit, which incorporates a modular suite of measurement probes and analyzers. The modular flow-through system is designed for high-precision and high-frequency monitoring of multiple experimental units, e.g., mesocosms.



- Automated sampling introduces sequentially water from experimental units to a flow-through system, guiding it through a selected set of the measurement probes and analyzers.
- Measuring parameters can include T°C, O₂, in vivo fluorescence, FRRF, PAM, CDOM, pCO₂, pH, inorganic N and P, gas exchange across water surface, water sample retrieval, flow cytometry, image analysis of individual cells of phytoplankton and zooplankton species.
- All functions computer-controlled, automatic data transfer
- Video <https://youtu.be/HneOVP6pqOk>
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