



HYDRO-BIOS

Smart Sampling

Datasheet MULTI-LIMNOS (436 985)



MULTI-LIMNOS

Multiple Water Sampler based on the LIMNOS-principle

This water sampler is intended for stationary deployment in depths up to 30 meters. Up to 10 samples will be taken at pre-programmed times within a total deployment time of up to one year. Both seawater and fresh water use cases are supported. Typical applications include long term water quality monitoring in lakes or at sea water fish farms.

Just like the LIMNOS, the MULTI-LIMNOS Water Sampler meets two essential demands of researchers:

- avoiding sample contamination from surface water and
- avoiding errors in analysis due to mishandling of the sample during transport and decanting

The system is equipped with 10 Duran glass bottles of 1 litre capacity each, which can also be used as transportation and storage containers.

After the bottles are filled with water, they are automatically closed by integrated check valves. The MULTI-LIMNOS is equipped with a microprocessor-controlled Motor Unit, the operation schedule of which is programmed via PC by using our OceanLab 3 software. Power is supplied by 3 long-lasting lithium batteries placed inside an external battery housing.

The MULTI-LIMNOS comes with a ball that floats on the water surface for keeping track of its position. State-of-the-art electronics, optimised in power consumption, are designed for ambient temperatures from -40°C up to +85°C.

It supports both bottom anchoring (basic configuration) for deployment from boats as well as conventional suspension via the optional stainless steel cage e.g. for operation from a boat or platform.



TECHNICAL DETAILS

height	83 cm
diameter	60 cm
sample volume	10 x 1 l
weight on air	27 kg (empty)
material of frame	stainless steel
material of motor unit and battery housing	Titanium
operational depth	30 m
deployment time / pre-programming time	up to one year
product ID	436 985

CHARACTERISTICS

- **avoiding sample contamination**
- **programmable time release**
- **up to 10 water samples**