OceanPack™ PlanktonSampler

Multipurpose sampler - especially for plankton - even in rough seas

- Separate, tightly closing, chilled & preserving sampler-bottles
- Highly reliable, robust & waterproof design
- Autonomous unattended operation and easy to maintain
- Scalable configuration

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Developed with researchers from around the world for a wide range of deployments: Its flexible design allows a quick and easy adaption on different sampling strategies!

**Features:**

- 16 sample bottles on two drawers stored in cooled environment
- Automatic preservation after sampling - bottles are separately closed by valves for safe handling even with toxic agents
- GPS interface for georeferencing
- 7" touch screen for easy configuration of sample settings
- Real time data output and USB interface for data download

<table>
<thead>
<tr>
<th>Characteristics</th>
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<tr>
<td><strong>Operation</strong></td>
<td>Automatic continuously sampling; flow and pressure controlled. Event based sampling: sample volume, sampling time, cloaking and geographical position.</td>
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<td><strong>Sample storage temperature</strong></td>
<td>The 16 sample chambers are mounted in a chilled and completely closed environment (5°C).</td>
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<td><strong>Water supply</strong></td>
<td>Passive, provided by vessel or external pump</td>
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<td><strong>Sample configuration</strong></td>
<td>Mesh size is freely selectable. Typical configuration:</td>
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<td></td>
<td>• 200 µm for Mesoplankton</td>
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<tr>
<td></td>
<td>• 1.6 mm for larger Mesoplankton</td>
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<td><strong>Micro controller</strong></td>
<td>Embedded NetDI® controller for instrument control and data logging.</td>
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<td><strong>Data logger</strong></td>
<td>Storage of meta data and data from (housekeeping) sensors: e.g. flow rate, sample volume, GPS, sample temperature.</td>
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<td><strong>Data output</strong></td>
<td>RS-232 or RS-485 • optical isolated • ASCII NMEA-0183 data format</td>
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<td><strong>Data input</strong></td>
<td>GPS • Additional integration of external devices on request.</td>
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<tr>
<td><strong>Display</strong></td>
<td>7&quot; colour touch screen • Overview data &amp; configuration menus Easy to use under on board conditions</td>
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Intuitive control via 7” touch display with fast sample overview. Sample status is indicated by colours on the main display. Each sample is clickable for individual sample configuration and more information such as sample start, filter mesh size and sampled volume. Sample stop event is user-programmed to a maximum sample time or volume. Every sample is equipped with an individual sample ID for easy post processing using stored data.

Figure 1 - info screen for sample status

Figure 2 - sample info display

Figure 3 - sample bottle