OceanPack™ CUBE

Compact, versatile pCO₂ measurement system

- 19-inch rack format allows the mounting of 19-inch standard frames
- Touch Screen: the new 7” touch screen enables an intuitive control of the device
- Own flight-case for fast and safe shipping
- Internal sea-water pump for below or above the waterline installation
- NetDI® data logger, robust Flat-Membrane-Equilibrator

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OceanPack™ CUBE

“For the OceanPack CUBE we combined the best of the OceanPack Mobile and the OceanPack Classic. As a result, the instrument is more robust, lighter, very compact and uses the industrial standard 19” format”

Monitoring the ocean surface
- Greenhouse gases (e.g. pCO₂)
- Temperature
- Salinity

Optional
- Dissolved oxygen
- Nutrients
- Chlorophyll a
- Hydrocarbons
- pH or redox
- Radioactivity

<table>
<thead>
<tr>
<th>Technology</th>
<th>OceanPack™ flow-through systems (also known as FerryBox or Underway System) with NetDi® for manifold measurement platforms: research vessels, ships of opportunity, platforms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensors</td>
<td>Nearly any oceanographic sensor can be integrated into OceanPack™ CUBE (e.g. pCO₂, SST, SSS, D.O., algae). In addition, external devices can be included: nutrient analyzers, water samplers, meteorological stations, GPS, Air-CO₂ analyzers - up to 30 sensors/analyzer</td>
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<tr>
<td>Calibration</td>
<td>All provided sensors are mostly calibration free for approx. 1 year. The SubCtech analyzers incorporates a fully automatic self-calibration (e.g. for achieving SOCAT conform quality data)</td>
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<td>Storage</td>
<td>Self-recording on 32 GB SD cards, data download via USB</td>
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<td>Pump</td>
<td>Self-priming low-power sea water pump, corrosion free</td>
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<tr>
<td>Debubbling</td>
<td>Integrated Debubbler mBubbler® unit for gas-tolerant de-airing, works up to ± 30° roll angel</td>
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<td>Power</td>
<td>24 VDC converter is integrated into the instrument. A new UPS (uninterrupted power supply) allows a safe operation on ships or places with an unstable power supply.</td>
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<tr>
<td>Controller</td>
<td>NetDI replaces SmartDI. The industrial ARM processor guarantees a stable computer environment according to functional safety guidelines IEC 61508 and highest performance at the same time.</td>
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<tr>
<td>Controller</td>
<td>The new 7” touch screen enables an intuitive control of the device, comparable to a simple mobile phone. No external screen or keyboard is necessary any more.</td>
</tr>
</tbody>
</table>

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