

# OceanPack RACE®

## 6th generation pCO<sub>2</sub> carbon Ocean-Lab

- Highly reliable, robust, versatile, compact water proof design
- Autonomous unattended operation and easy to maintain
- Flexible sensor configuration
- Low power, small size, ultra low weight design
- Water in, water out: "Ready to Run"
- Approved by Volvo Ocean Race



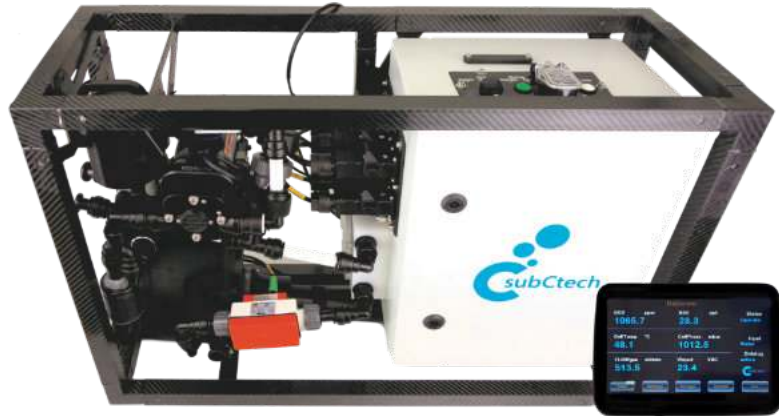
**“Our 6<sup>th</sup> generation OceanPack RACE® has been rigorously improved in terms of energy consumption, size and weight, service-usability & data quality!”**

**Monitoring the ocean surface**

- Greenhouse gases (e.g. pCO<sub>2</sub>)
- Temperature
- Salinity

**Optional**

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



<b>Technology</b>	OceanPack™ flow-through system with NetDI® (Net Data Interface) technology for flexible integration of any kind of sensor or analyser
<b>Weight</b>	<b>16 kg</b> lightweight mechanical frame: <b>carbon fibre</b> Note: depending configuration and setup.
<b>Size</b>	735mm x 250mm x 500mm (length x width x height) Note: depending configuration and setup.
<b>Power</b>	24 V DC power supply with spike & EMC noise filter (opt. 12V or 48V DC) < <b>30W</b> operate < 14W standby
<b>Sensors</b>	Up to 10 sensors/analyser
<b>CO<sub>2</sub> analysis</b>	Water <b>pCO<sub>2</sub></b> + optional Air-CO <sub>2</sub>
<b>Calibration</b>	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)
<b>Storage</b>	Self-recording on 32 GB SD cards, data download via USB
<b>Pump</b>	Self-priming low-power sea water pump, corrosion free
<b>Debubbling</b>	Integrated small Debubbler mBubbler® unit for gas-tolerant de-airing, works up to ± 30° roll angle
<b>Service</b>	Removable box with touch-screen for in-port service
<b>Anti-fouling</b>	Anti-fouling design for the equilibrator sensor head included

