



clean
seas
turn the tide
on plastic



OceanPack RACE®

6th generation pCO₂ 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 6th generation OceanPack RACE® has been rigorously improved in terms of energy consumption, size and weight, service-usability & data quality!”

Monitoring the ocean surface

- Gases e.g. CO₂, methane
- Temperature
- Salinity
- optional:
- Dissolved oxygen
- Nutrients e.g. nitrate
- Algae blooms
- Oil and fuel
- pH or redox
- Radioactivity e.g. CS-137



Technology	OceanPack™ flow-through system with NetDI® (Net Data Interface) technology for flexible integration of any kind of sensor or analyzer
Weight	15 kg lightweight mechanical frame: carbon fibre Note: depending configuration and setup.
Size	750mm x 550mm x 250mm Note: depending configuration and setup.
Power	24 V DC power supply with spike & EMC noise filter (opt. 12V or 48V DC) < 30W operate < 14W standby
Sensors	Up to 10 sensors/analyser
CO2 analysis	Water pCO₂ + optional Air-CO ₂
Calibration	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)
Storage	Self-recording on 32 GB SD cards, data download via USB
Pump	Self-priming low-power sea water pump, corrosion free
Debubbling	Integrated small Debubbler mBubbler® unit for gas-tolerant de-airing, works up to ± 30° roll angel
Service	Removable box with touch-screen for in-port service
Anti-fouling	Anti-fouling design for the equilibrator sensor head included

