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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



“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



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Technology	OceanPack™ flow-through systems (also known as FerryBox or Underway System) with NetDI® for manifold measurement platforms: research vessels, ships of opportunity, platforms
Sensors	Nearly any oceanographic sensor can be integrated into OceanPack™ CUBE (e.g. pCO ₂ , SST, SSS, D.O., algae). In addition, external devices can be included: nutrient analyzers, water samplers, meteorological stations, GPS, Air-CO ₂ analyzers - up to 30 sensors/analyzer
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 Debubbler mBubbler® unit for gas-tolerant de-airing, works up to ± 30° roll angel
Power	24 VDC converter is integrated into the instrument. A new UPS (uninterrupted power supply) allows a save operation on ships or places with an unstable power supply.
Controller	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.
Controller	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.
Equipment	

