

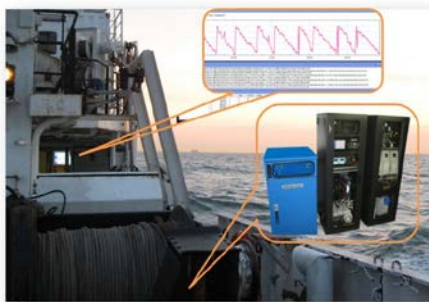
## OceanView™ DataServer

Real-time data presentation, logging and control



The ship data server is used to visualize and store online data and, in addition, provides diagnostic functions for SubCtech's OceanPack™ water quality measuring systems or other NMEA data transmitter. As a black-box it can be configured as a simple passenger display.

Hardware	
<b>Housing</b>	Industrial panel PC, Desktop-PC, 19" Server or industrial Notebook
<b>Display</b>	User defined screen size, e.g. 19" or 32" • Front splash water protected
<b>Software</b>	Windows® Operating System with OceanView4™ data management software
<b>Memory</b>	Industrial grade Solid-State-Drive (SSD) • No moving parts
<b>Interfaces</b>	RS-232 or RS-485 interfaces • LAN • Wireless • Other on request
<b>Power, UPS</b>	110-230V AC • optional 24V DC • optional UPS (Uninterrupted Power Supply)
<b>Watchdog</b>	Hardware watchdog to restart the system in case of failures
Functions	
<b>Graphic</b>	Graphical time series or numerical table windows • Configurable • Multiple axis
<b>Logging</b>	Data and event message storage
<b>Database</b>	Internal or network database, ASCII NMEA data format (open format)
<b>Geo-referencing</b>	GPS data can be included • Mapping on nautical charts • Google® Earth interface
<b>Information</b>	Overview displays with status, actual values, position track • Optional photos or videos
<b>Diagnostic</b>	Special windows for connected OceanPack systems, e.g. pCO <sub>2</sub> Analyzers or "Underway" systems
<b>Data link</b>	NMEA-0183 data protocol via serial interfaces • Customizing on request
<b>Control</b>	Remote control of OceanPack systems; e.g. Start, Stop, Clean or User functions
<b>Signals</b>	Remote signals for OceanPack systems; e.g. Status, Alarm or User functions
<b>Maintenance</b>	Remote service available over Ethernet • Remote software updates



External screen for OceanPack™ real-time data displays



Robust Notebook for mobile applications



19" Rack system with optional buttons and signal lights for easy remote control of the OceanPack™ "Underway" acquisition system

