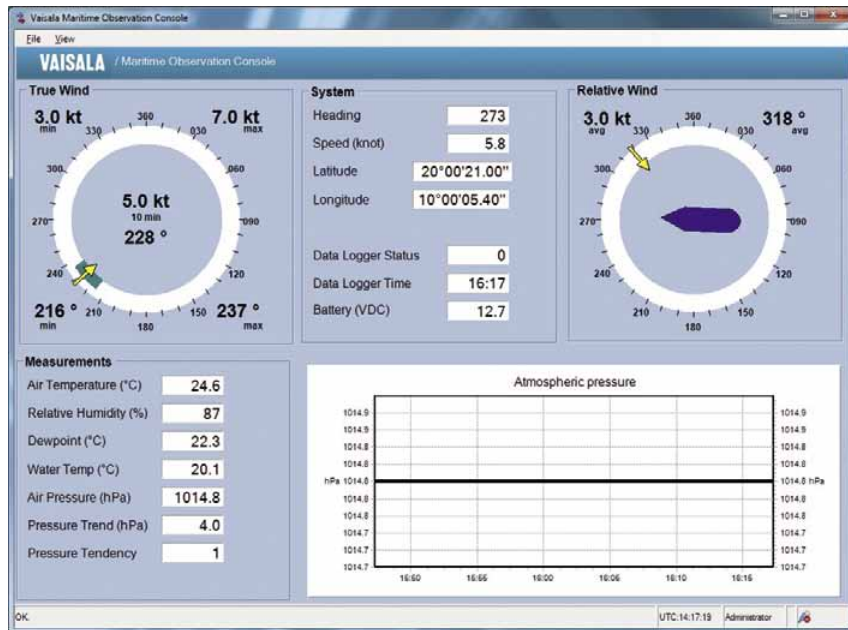


Vaisala Maritime Observation Console MCC401



Features/Benefits

- Displays and logs data from Vaisala Maritime Observation System
- Easy to install and operate
- Designed for ship applications
- Visual and audible alarms
- Remote client PC display option

Application

Vaisala Maritime Observation Console MCC401 is PC software designed for use with the Vaisala Maritime Observation System.

It is used for displaying and storing the meteorological measurement data needed to inform ships and offshore operations about the current weather conditions and archive the information accordingly.

Real-Time Display

Vaisala Maritime Observation Console presents meteorological data in numerical and graphical formats. Users can choose from a range of engineering units when displaying the latest measurement values on the easy-to-use default screen layout. There is also an option to have modified data labels and data fields if some measurement values need to be added to or removed from

the display. Depending on the AWS in use, a complete customization option is available to tailor the screen layout to the specific needs of the customer. The default weather parameters monitored include wind speed and direction (relative wind, true wind), air temperature, dew point, water temperature and atmospheric pressure (instant, trend, tendency). Modifications to display other weather parameters are also available depending on the Maritime Observation System in use. Wind speed and direction is displayed using instant, two-minute and ten-minute statistics. Observation data can also be displayed as a real-time graph. The ship heading and location information is provided to the user by default. Visual and audible alarms provide warnings of critical weather conditions or other important issues such as sensor or system failure. It is also possible

to create custom alarms based on selected parameters.

Data Archiving and Viewing

The application automatically stores data chronologically as ASCII log files, and continues to run in the background so that data collection can continue even when the user interface is closed. The ASCII log files can be exported to external applications so that collected data can also be viewed in tabular or graphical formats. The overall data collection status is shown in the operational status report.

Data Distribution

The data distribution feature allows several client PCs to gather weather data from the master PC. The file transfer feature allows the latest data files to be transferred to up to two different servers using FTP protocol.

Technical Data

Minimum Hardware Requirements

Personal Computer	Desktop/Laptop
Processor	2.0+ GHz
RAM	1024 MB
Hard Disk Space	Software: 100 MB Data storage 1 GB/Year
Ports	Ethernet/LAN Serial/USB port (may require an adapter)
Monitor resolution	1024 x 768 pixels (or higher)
Drives	CD-ROM required for installation

Operating Systems

Windows 7, Windows Vista, Windows XP, Windows 2008 Server,
Windows 2003 Server

Communication options between Maritime Observation System and PC

Serial connection via RS-232 port
Serial connection via RS-485
(requires converter)
USB connection via RS-232/RS-485 (requires converter)
TCP/IP via Ethernet (requires converter)

Features

Monitored default weather parameters:
Wind speed and direction (true wind, relative wind)
Air temperature and dew point
Atmospheric pressure (instant, trend, tendency)
Water temperature

Data collection:
Automatic background data collection
Data validation
Statistical calculations

Real-time display:
Text boxes, graphs, and labels
Alarms
Wind Rose
Full-screen mode

Data logging and viewing:
Received data log
Observation parameter log
Event log
Tabular view
Graphical view
Operational view

Data distribution:
Support for client PCs
FTP client support

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