Motion Monitoring System

Display and Logging System

SMC
SHIP MOTION CONTROL
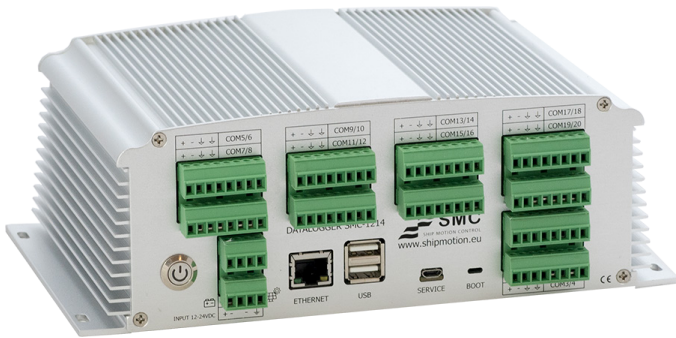
SMCmms, Motion Monitoring System, is an Embedded Linux software solution for Vessel Motion Monitoring.

General

The SMC Motion Monitoring System, MMS, is an embedded system solution for real time vessel motion monitoring and logging of a vessels motions. The system runs on the SMC-1210 data logger or the SMC-1310 panel display hardware solutions. The SMC MMS provides Visual Displays and Recording of Motion Values from the SMC Motion Reference Sensors for Roll, Pitch, Heave, Accelerations X, Y and Z as well as Velocities and Rates. SMC MMS interfaces data from one or multiple Motion Reference Units.

System Data

All Motion Reference Unit and software calculated data is stored into the system built-in SQL database. The log data can be accessed and analyzed from the system graphical interface or from any location over the internet by using a standard web browser or included client software. The logged data can also be exported for analysis in third party software.

Interface

The user interface displays are viewed in a web browser from a PC or directly on the built-in screen using the SMC-1310 panel display solution. The built-in webserver in the Data Logger, enables access from multiple other platforms such as PC's, Macbooks, Tablets and smartphones across the network. The screen arrangement will automatically adjust to the resolution of the device.

The client software has the same graphical interface as the main software with the data being presented in real-time.

Key Features

- Clear Graphical Display
- User Configurable Charts
- Built-in webserver
- Built-in System Log View
- Hourly, Daily or weekly Report Schedules
- User Configurable Alarm limits

Alarms

User selectable alarms can be set for any parameter available to provide warnings if limits are exceeded.

Scheduler

Daily Reports can be sent from the software via e-mail or downloaded with selectable data points from offshore or onboard vessels for analysis of the vessel's performance.

Investment Cost

The SMC system is a single cost purchase where all user rights are controlled by the purchasing client's IT team. There is no additional cost for network client access or system reports in the SMC system which helps to reduce the total investment over the system lifetime.

About SMC

SMC is an ISO9001:2015 quality management certified company, manufacturing motion sensors and system integration software packages, such as Helideck Monitoring and Motion Monitoring systems, for the global marine industry.
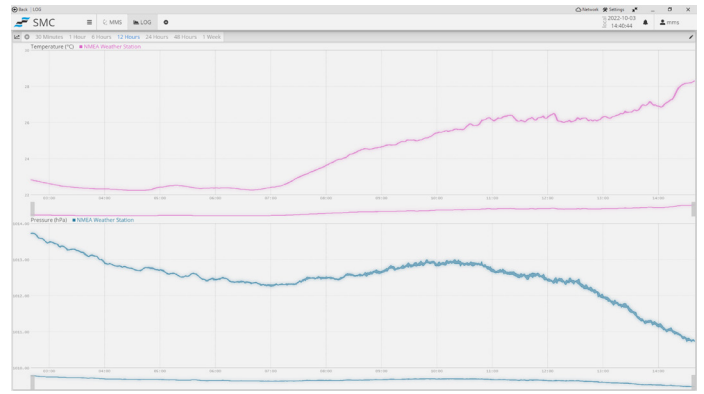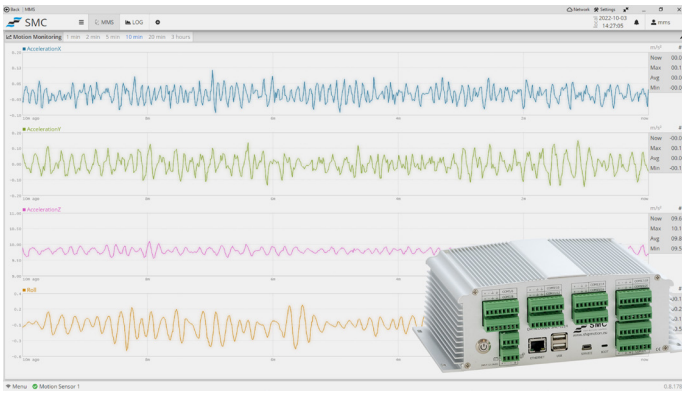
Technical Specification Hardware

Model Features		SMC-1210 Data Logger	SMC-1310 Panel Display
	Processor:	1.2GHz Quad Core Arm	1.5GHz Quad Core Arm
	OS:	Embedded Linux	Embedded Linux
	Storage:	32 GB SSD	16 GB SSD
	RAM:	1 GB	2 GB
	Display:	No Display, web server	10.1", 1280x800 touch
	Power:	12-36, 3-5W	12-36VDC, 20W
Environmental	Temperature:	-20 to +50 ° Celsius	0 to +50° Celsius
	IP rating:	IP22	IP22

Interface Built-in

Serial 4xRS232 or 2xRS422/485
USB Type A for System Expansion
Ethernet 1x RJ45

Support & Warranty

2 Years Hardware & Software Warranty
Free Technical remote support