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Datasheet

Helideck Monitoring System

Observator offers the widest range of different helideck monitoring systems. The systems are designed to measure all weather conditions during helicopter landing and take-off operations in order to improve both flight and passenger safety. The system can interface with all different weather sensors like wind speed, wind direction, QFE/QNH Barometric, Temperature, Humidity, Visibility Motion and Cloud Height. There are many options available for a.o. fixed and floating platforms F(P)SO and diving support vessels.

Features

- Real time helideck weather and motion information
- Compliant with CAP-437, HCA, Norwegian (Norsok)BSL D 5-1 and Brasil Normam-27 helideck standards
- Options for remote access via web interface
- Alarm and weather forecast options
- Selection for Aircraft, Day / Night and Helideck category
- Stoplight function
- Automatic logging
- (ATIS) Automatic Terminal Information Service functions

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System

The Observator Helideck Monitoring systems are based on the requirements of the latest UK CAA CAP-437, Standards for Offshore Helicopter Landing Areas, 8th Edition, Norwegian Norsok CAA BSL D 5-1 and Brasil Normam-27 helideck guidelines.
Besides of that our system meets also the requirements of the Helideck Certification Agency (HCA) as described in Standards Helideck Monitoring Systems Rev8c

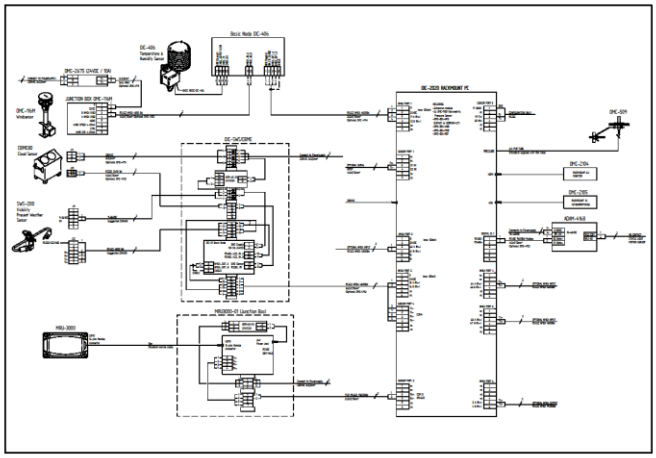
Standard HMS systems requires the following parameters:

- Wind speed and direction
- Temperature
- Humidity
- Dew Point
- Barometric pressure (QFH / QNH)
- Visibility
- Present Weather
- Cloud height
- Motion (for floating rigs or vessels)

Where measured, the following information should also be included in the weather report:

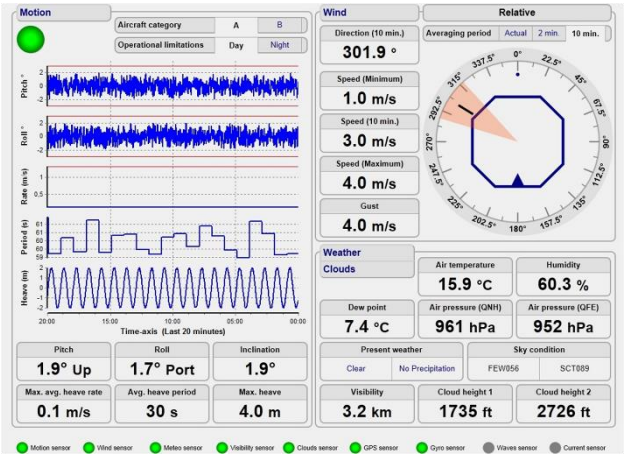
- Significant wave height.

Since Observator has over 30 years experience as manufacture for wind and weather systems. It was a logical choice to extent the systems to Helideck Monitoring systems conform the latest requirements
Offshore meteorological observations require devices designed to withstand the hardest environmental conditions such as heavy vibrations, sea spray and extremes of temperature. Observator knows as no other the special demands in the particular market. Therefore we supply only Dutch proven quality.

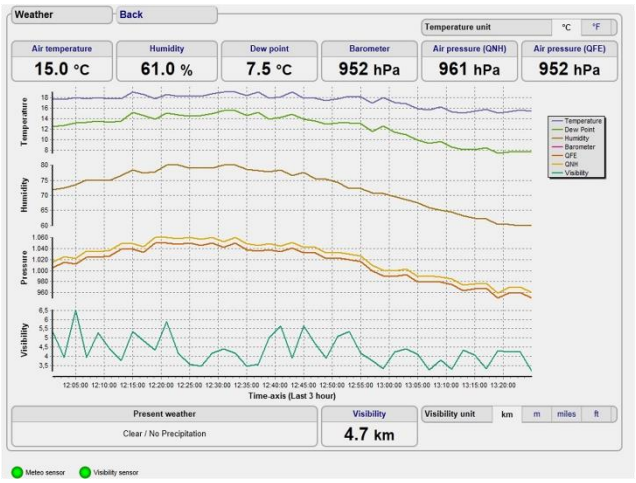


OMC-DOL-HMS Software

OMC-DOL-HMS is a flexible software program and is more and more used in the marine and offshore industry. It has a lot of advantages, we can combine meteorological data with ocean and motion, so you will have all information available in one system.



All data can be stored and trends can be made visible. The data can be viewed on any pc with the OMC-DOL program viewer installed via a standard network.



When OMC-WebServer is added to OMC-Data-OnLine it is possible to view your data everywhere where you can hook up to the internet using a web browser on a PC or even a PDA. Sharing data with others will become very easy. Everyone can access that part of the data they are allowed to access.

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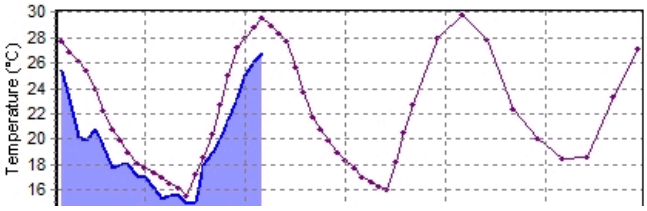
System Requirements

- Up to date PC
- Minimum of 2Gb memory
- Screen resolution 1024 x 768
- Windows 7 and IE 9 and higher
- RS-232 or RS-422 input ports

Weather Forecast

In cooperation with the Dutch company Meteo Group we are able to integrate the weather forecast module within OMC-Data-Online. This module will calculate the forecast for your location anywhere in the world. The program will indicate the forecast for the next five days for all the meteorological and wave information. This weather forecast information can be useful for wind, temperature and wave information around your vessel, platform or windfarm.



Offshore Meteorological Observing Training

With the same company, Observator offers a two days training for offshore Met Observers conform the CAP-437 requirements. After the training, the Met Observer is capable to do weather observing and provide the correct weather information to helicopter pilots.

This training will be held on the headquarters of MeteoConsult in Wageningen, the Netherlands. For more information, please contact our sales team sales@observator.com.

ATIS and HLS

The OMC-141 Automatic Terminal Information Service, or ATIS, is a continuous broadcast of recorded noncontrol weather information for unmanned offshore or wind energy platforms. The system broadcasts contain essential weather information like, Wind information, Temperature, Humidity Visibility any other information required by the pilots. Helicopter Pilots usually listen to an available ATIS broadcast before the final approach, in order have a safe landing on the platform. The helipilot can, by using the VHF radio, request the actual weather information (by automatic voice message) from the unmanned station.

The system has also function to control the helideck lights from the helicopter by using a standard VHF radio.

The voice functionality in the Observator system follows the usual ATIS practice; however this practice is not described in standards and varies from country to country. The client should specify specific requirements.

More information is available is the OMC-141 datasheet which can be downloaded from our website: http://www.observatormeteohydro.com/.

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Service and post sales support

On customer request, Observator can supply full wired 19” cabinet or sub-racks. Also project design, Factory Acceptance Test (FAT), Site Acceptance Test (SAT), commissioning and service are possible by our own flexible engineers or service engineers with offshore licenses.

Sensors

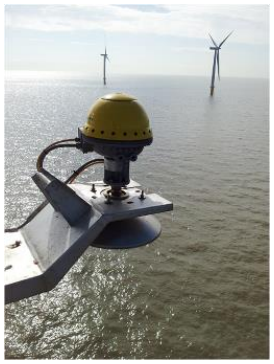
Wind speed and direction sensors

Visibility and present weather sensor

Temperature, humidity and dew point sensor

Cloud height sensor

Motion sensor



Wave height and frequency sensor

Welcome to the world of Observator

Solutions beyond expectations. That’s what sets Observator apart. We believe in taking the extra step. Retaining our competitive edge, through innovation and uncompromised support, are key to success. As an ISO 9001:2015 certified company, we apply the highest quality standards to our products and systems.

Solutions beyond expectations

Since 1924 Observator has evolved to be a trend-setting developer and supplier in a wide variety of industries. From instruments for meteorological and hydrological solutions, air and climate technology, to high precision mechanical production, window wipers and sunscreens for shipping and inland applications.

Originating from the Netherlands, Observator has grown into an internationally oriented company with a worldwide distribution network and offices in Australia, Germany, the Netherlands, Singapore and the United Kingdom.

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