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Weather Stations
Wind Displays
Wind Sensors
Wave Radar

ENVIRONMENTAL MEASUREMENT



Applications

- Marine
- Harbors
- Offshore
- Avionics

OBSERVATOR
instruments

GILL

WEATHER STATIONS



MetPak Weather Station

MetPak professional weather station is an all-in-one weather system capable of monitoring up to six weather parameters: barometric pressure, air temperature, humidity, dew point, wind speed and wind direction. The MetPak weather station has a variety of wind sensor options that can be mounted remotely from the weather station.



MaxiMet 600 Compact Weather Station

Wind speed and direction measurements are provided via an ultrasonic sensor and the addition of an electronic compass provides apparent wind measurements. Average speed and direction together with WMO averages and gust data is also provided. An integrated optical rain gauge that automatically senses water hitting its outside surface and provides measurements based on the size and number of drops.

ULTRASONIC ANEMOMETERS



WindSonic Metal Ultrasonic Wind Sensor

WindSonic M is a robust ultrasonic wind speed and direction sensor with aluminum alloy construction and optional heating system. The sensor is solid-state with no moving parts, using ultrasonic measurement technology to detect wind speed and direction at speeds up to 60 m/s (134mph).

The robust aluminum alloy housing is hard-anodized to ensure suitability in harsh marine environments, and the optional heating system allows operation down to -40°C .



WindObserver IS Intrinsically Safe Anemometer

The WindObserverIS is an Intrinsically Safe anemometer, developed specifically for use in hazardous areas and in particular for offshore applications. The Intrinsically Safe WindObserver is a lightweight, robust unit, completely sealed and constructed in stainless steel. This Intrinsically Safe anemometer has Atex and IECeX certification to ensure the wind system may be deployed on a worldwide basis without the need for expensive local certification.

WIND DISPLAYS



OMC-139 Marine Wind Display

The OMC-139 is a marine wind display for indication of relative wind speed and direction. This display can read in the information of several wind speed and direction sensors and is standard provided with a NMEA0183 output. The OMC-139 is suitable for flush mount and is housed in a standard 144x144 housing.



OMC-140 Multifunctional TFT Display

The OMC-140 is a new self designed and developed multifunctional TFT Display. Wherever you need to visualize your critical measurement information on a dedicated instrument the OMC-140 can be applied. Whether it is presenting wind information or indication of other meteorological parameters, the OMC-140 is the ideal instrument.

CUP & VANE WIND SENSORS



OMC-160 Wind speed & direction sensor

The OMC-160 is a combined wind speed and direction sensor, based on the cup and vane principle. Having chosen for the highest quality stainless steel materials and internal non-contact measuring devices, this sensor stands for a long life time. This sensor is commonly used within the shipping and offshore industry but can also be found on many airfields, container terminals and harbors, along highways and on bridges.



OMC-150/158-2 Intrinsically safe wind sensor

The OMC-150 is an Intrinsically Safe combined wind speed and direction sensor, based on the cup and vane principle. A complete wind set consists besides this sensor of an Ex junction box which is placed nearby the sensor OMC-156, and a Zener barrier interface box OMC-158-2. Using a sin/cos potentiometer wind direction is measured without a dead-band, while speed is measured using a proximately switch and a code cap.

WAVE & MOTION SENSORS



SM-140-47-OMC Wave Radar

The SM-140-7-OMC wave radar is a perfect medium for the extreme demands of the harsh offshore environment.

The sensor emits a microwave FM chirp signal and receives the echo from the water surface. The signal propagation delay given by the distance from the antenna to the water surface causes a beat signal in the receiver. By means of advanced signal processing the beat frequency is converted to an accurate distance.

Due to the low frequency of operation (compared to laser sensors) fog, rain and water spray will not cause measurement problems.



TSS-DMS-25 Deck Motion Monitor

The TSS Deck Motion Monitor (DMM) system is a combination package of hardware and software, designed to deliver the particular range of information demanded for use in helicopter flight operations involving a moving vessels or platforms.

DMM specifically meets the recommendations contained in the Civil Aviation Authority (CAA) publication CAP437 - Offshore Helicopter Landing Areas - a guide to criteria, recommended minimum standards and best practices. The system delivers the full range of measurements defined in Chapter 6, paragraph 6.3 of the CAP437 publication. This sensor has been used for many times into complete Met systems in combination with the software program OMC-Data-Online.



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