



OMC-939 Meteo Display

OMC-939 Shipborne Met Display

Observator instruments offers the widest range of display instruments, for local read out of meteorological parameters. The OMC-939 is an instrument capable of indicating local wind information and has the possibility for the display of four additional parameters. The instrument is provided with a facility to use interchangeable legends. This makes it as flexible as possible. The OMC-939 is ideal to be used in a.o. FPSO applications and critical information for helicopter approach can be displayed in e.g. the radio room. But obviously also in other situations where local Met information on board ships is required.

Features

- Easy read-out of meteorological information
- Multi purpose display with interchangeable legends
- Serial input RS422 or Currentloop
- Interface available for most common sensors
- LED circles for wind direction and variation
- Scaling in m/s, km/h, kts mph and Beaufort
- Selectable averaging interval time in 2 min. 10 min. And user programmable
- Indication of gust or minimum wind speed
- Brightness control
- Standard serial output RS232 / RS422



*Black Line version in
Optional housing*



Tanker

GENERAL

The OMC-939 digital weather display unit is specially designed for easily read out of wind speed and wind direction, and four other parameters to be used on board of ships.

The display is housed in a 144 x 288 mm. Din size casing suitable for panel mounting. A table top housing is also available.

The wind direction is indicated within in a double LED circle, relative to the longitudinal axis of the vessel, both circles consist of 36 leds for average direction and wind variation. Inside this circles a three digit digital display indicates the wind speed. A second three digit display located in the lower right corner provides maximum or minimum wind information indicated by LED's in front of the display.

The wind information can be displayed in m/s, knots, mph, km/h or Beaufort. Selection of these units can be made using the front panel buttons. Another MENU options is the choice of the averaging interval, which can be set at 2 minutes, 10 minutes or every other 'user'-programmed interval. When not in the MENU mode up and down keys are used for brightness control or gust reset.

The four additional displays are provided with interchangeable legends. Depending of which sensors are used various I/O modules are available, delivered with the unit. The most common meteorological and hydrological sensors can be used, such as wind speed and wind direction, sea and air temperature, humidity, barometric pressure, etc.

Many in- and output connections are available, either as standard or as option. The unit was primary intended to use with the Obsermet sensors, but other, most common sensors can be connected to the system. All information of the connected sensors can be transmitted within the serial output string.

DATA SUMMARY DISPLAY

- Double LED circles with 36 LED's average direction and variation
- Five 5 digits red LED displays size 14.3 mm height
- Interchangeable legends

POWER REQUIREMENTS

- 230 VAC, 115 VAC, 24 VDC and 12 VDC optional, 30v max.

INPUTS

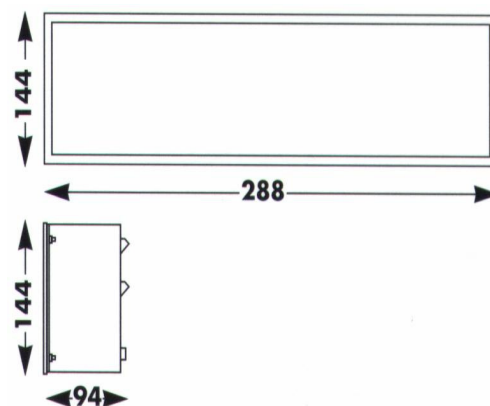
- 1 digital pulse input
- 1 analogue input (potmeter)
- 2 RS422 or currentloop inputs

OUTPUTS

- 2 RS422 or currentloop
- 2 analogue outputs (optional)

DIMENSIONS

- Size 288 x 144 x 94 mm standard Din size
- Weight 1700 gram
- Maximum panel thickness 8 mm



ENVIRONMENTAL

- Operating temperature -30 to 60 deg. C.
- Moisture protection IP40
- Humidity 5 to 90%
- EMC EN 50081-1 class B, EN 50082-2

OPTIONAL

- OMC-127 dual analogue outputs 4..20mA or 0...1Volt
- OMC-128 digital output RS422
- OMC-129 remote brightness control
- OMC-776 tabletop housing with bracket

 **OBSERVATOR**
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