



OMC-139 Marine Wind Display



Type D

## Datasheet

# OMC-139 Marine Wind Display

Observator instruments offers the widest range of display instruments, for local read out of meteorological parameters. 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. Besides the normal Obsermet front the unit can also be supplied with a black OEM front, called the black line.

### Features

- Double led circle
- Gust display
- 2 minutes average & 10 minutes average
- m/s, knots, mph, km/h and Beaufort
- Analogue output wind speed & direction
- NMEA-0183 output
- Compatible with several wind sensors
- Remote brightness control (optional)
- 4..20mA or 0...1 volt analogue output signals for speed & direction (optional)

## GENERAL

The “Obsermet” wind display from Observator Instruments is a combined display for wind speed and wind direction. The unit incorporates a digital LED indicator for speed and a double ring of 36 LED’s to indicate average direction information and wind variation.

The wind display signals directly from the wind sensor as T.T.Y. or RS422 without the need for additional interfaces.

Daisy chain connectors may be used to transfer wind sensor information to a second wind display. Depending on the capacity and type of cable used, a distance (of) up to 1000 m is possible. The wind display power supply can be set to meet customer’s specific requirements.

The front panel of the ship-borne wind display shows 0°-180° on both sides of the scale. Housing available with bracket for ceiling, wall, table top mounting

## DISPLAY

- Speed display – 3 digit, 7 segment LED display, 14.3 mm height
- Gust display – 3 digit, 7 segment LED display, 10.1 mm height
- Average 2 minutes, 10 minutes, or user
- Minimum & maximum gust

## WINDSPEED

- Mph, m/s, knots, km/h, Beaufort

## DIRECTION

- Direction display – 36 LED’s circular, color red
- Wind variation – 36 LED’s circular, color amber

## POWER REQUIREMENTS

- Power supply – 230 Vac, 115 Vac, 24 Vdc

## OUTPUTS

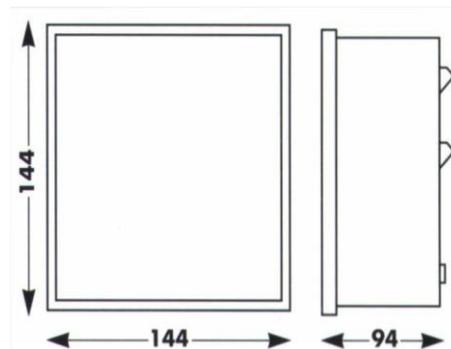
- 15 v dc sensor supply
- Direction sensor reference supply (2,5 Vdc)
- Signal transmission for daisy chain 4..20mA current loop, 300 Baud, ASCII-code
- Digital outputs RS232 or RS422 (NMEA-0183)

## INPUTS

- Wind speed pulse (optional)
- Direction pot meter (optional)
- 20 mA current loop
- RS422 (optional)
- Remote brightness adjustment (optional)

## DIMENSIONS

- Size 144 x 144 x 94mm
- Weight 800 g



## ENVIROMENTAL

- Operating temperature -30° to +60° C.
- Moisture protection IP40
- Humidity 5-90%
- EMC BS EN 5008 –class B

## OPTIONS

- OMC 127 analogue outputs 4..20 mA or 0-1 Vdc
- OMC 129 remote brightness control
- OMC 775 table top housing with bracket

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