



OBSERVATOR
instruments

OMC-938 Meteo Display

OMC-938 Meteorological Display unit

Observer instruments offers the widest range of display instruments, for local read out of meteorological parameters. The OMC-938 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-938 is ideal to be used in a.o. fixed offshore 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 is required.

Features

- Easy read-out of meteorological information
- Multi purpose display with interchangeable legends
- Serial input RS422 or Current loop
- 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



Helicopter approach on platform

General

The OMC-938 digital weather display unit is specially designed for easily read out of wind speed and wind direction and four other parameters. The display is housed in a 144 x 288 mm. Din size casing suitable for panel mounting. A tabletop housing is available.

The wind direction is indicated within in a double LED circle 36 leds for average direction and 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 easily made using the MENU option within the integrated membrane keys. Another MENU option 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 the 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 circle with 36 LED's for 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, 30v max.

INPUTS

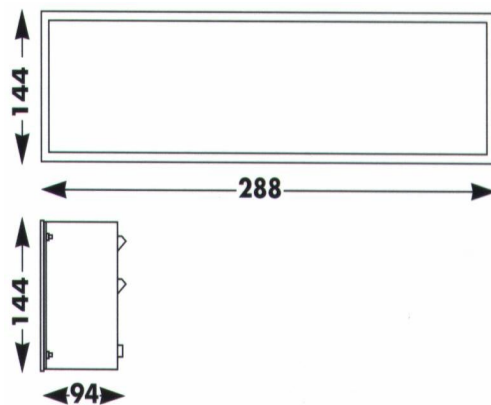
- 1 digital pulse input
- 1 analogue input (potmeter)
- 2 RS422 or current loop inputs

OUTPUTS

- 2 RS422 or current loop
- 2 analogue outputs (optional)
- digital output RS422

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-129 remote brightness control
- OMC-776 tabletop housing with bracket