



OMC-934 Multifunctional Display

OMC-934 Multifunctional Display unit

Observer instruments offers the widest range of display instruments, for local read out of meteorological parameters. The OMC-934 is a DIN 144 instrument for indication of four parameters.

The instrument is provided with a facility to use interchangeable legends. This makes it as flexible as possible. Special software versions are available to use the display within a tital radio system, a draught measuring system but also typical met systems such like baro-display, temperature display or numeric wind display.

Features

- Interchangeable legends to show various parameters
- RS422 or current loop input
- Interface available for most common sensors
- Daisy chain and RS422 outputs
- Brightness control
- Analogue output (optional)
- One analogue input
- Pulse input



Optional housing



Dredging ship

General

The OMC-934 is specially designed for easy read out of four different parameters. The display is housed in a 144 x 144 mm. Din size casing suitable for panel mounting. A tabletop housing is available. Any inclination is allowed and various input modules are available.

Due to the interchangeable legends this unit can be used for various applications. Some of the applications:

- *Tidal radio system*
In this typical application the unit indicates: Tidal; Selected station and transmission interval. The unit is equipped with an output to supply a radio receiver
- *Barometric display*
Using the OMC-934 in combination with a barometric pressure unit it is possible to indicate QFE a QNH information.
- *Temperature display*
In combination with a temperature humidity probe the unit indicates temperature, humidity and dewpoint temperature.
- *Wind speed display*
When a stand alone wind speed sensor is used the display is able of indicating actual wind speed, average wind speed and gust.
- *And many more applications possible*

Selection of the display settings can be made using the front panel buttons. With a combination of the buttons it is also possible to reset certain display to zero. When not in the MENU mode the up and down keys are used for brightness control. 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 displayed information can be transmitted in a serial output string.



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DATA SUMMARY DISPLAY

- Four 5 digits red LED displays size 14.3 mm height
- Interchangeable legends

POWER REQUIREMENTS

- 230 VAC, 115 VAC, 24 VDC, 20VA max.

INPUTS

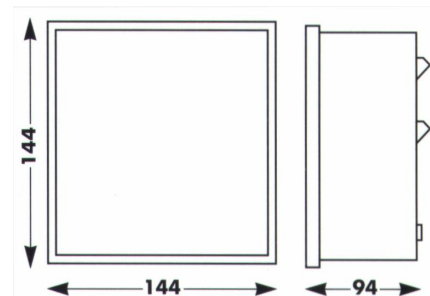
- 1 digital pulse input
- 1 analogue input (pot meter)
- 1 RS422 or current loop input

OUTPUTS

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

DIMENSIONS

- Size 144 x 144 x 94 mm standard DIN size
- Weight 800 gram
- Maximum panel thickness 8mm



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-775 tabletop housing with bracket