

Skywatch Eole Anemometer

Operating Instructions



Skywatch Eole

You have just acquired a piece of high precision equipment which has been created using the most modern technology. It has been designed to stand up to intensive use. However, in order to maintain its appearance and its precision, we recommend that you treat it with care and read this manual carefully.

Functions of the buttons



ON: Press for 1 second
OFF: Press for 2 seconds (not auto off)
LIGHT: Press on and off briefly



UP: Setting mode
START/STOP: Chronometer mode



DOWN: Setting mode
LAP/RESET: Chronometer mode



SET/CAL: Setting mode



RESET MEMORY: Press for 3 seconds

Configuration

To access the configuration mode of your instrument, just press on the  button. Pressing the  button once again causes the system to confirm the setting have been changed. If not then it goes to the next setting. To modify the settings the  and  buttons have to be used. The next page instructs you on how to set up the different instrument settings.

Wind Measuring Units

The units to be selected are: knots, km/h, m/s, fps and bft. Once the unit is chosen, it remains displayed in the top right of the screen. If no other unit is chosen the instrument is set to the Beaufort.

Setting the time of the average

The times selected are: --- (weighting), 3", 6", 12", 30", 1', 6', 30', 1:00', 6:00', 12:00', 24:00', or timer. The timer mode allows measurements of the average between start (press ) and stop (press ). This time is displayed on the lower lines. This timer allows the use of the LapTime function (press ) the symbol flashes). The  button also allows the timer to be reset to zero. This works in the same way as a standard chronometer.

Measuring the wind

Important: The protective cap has to be removed from the instrument in order to rotate the impeller. The impeller has a maximum sensitivity in the vertical position (due to its magnetic levitation), and an optimised precision when its axis of rotation is perpendicular to the wind direction.

Instantaneous wind speed (top of the screen)

Maximum wind speed (centre of the screen)

The display of the maximum wind speed is made at the central part. It is the maximum measured value of the time of the average. The value is reset to zero during a RESET of the memory.

Average wind speed (bottom of the screen)

The average value is shown on the 3rd line and is the average value calculated over a preselected time.

Technical Data

- Sealed and weatherproof instrument
- Thread on the bottom of the instrument for fixing to a tripod (1/4")
- Anemometer Precision: $\pm 3\%$, depending on its orientation in the wind
- Anemometer Resolution: 0.1 for all units
- Thermometer Precision: $\pm 0.2^{\circ}\text{C}$
- Thermometer Resolution: 0.1°C
- Power Supply: 2x 1.5v AA batteries
- Battery Lifetime: At least 3 years with occasional use of the display backlight. To replace, loosen the three screws on the metal plate.
- Weight: 235g (insubmerisable)
- Dimensions: $\varnothing 65 \times 155\text{mm}$

The wind measuring principle of the SKYWATCH EOLE is based on the detection of a rotating magnetic field produced by an impeller. If the device is subject to a strong field produced by a transformer or motor, it may happen that the instrument shows undesirable values, without any rotation from the impeller.

For pricing or any further information please contact us.

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