

# SKYWATCH® meteos

You have just acquired a high precision instrument, realized with the most up-to-date technologies. It was conceived to resist to an intensive use. However and so that it preserves its aspect and its precision, we recommend to you to treat it carefully and to read attentively this owner's manual.

## 1. Windspeed measurement :

- Multi-directional impeller that eliminates the need to point directly into the wind
- Center LCD display : Current windspeed
- Top LCD display : 1) Maximum windspeed (MAX)  
2) Average windspeed (AV) Calculated from the on or the last reset
- Vertical bargraph : Current speed, Beaufort Scale
- Units of measurement : km/h minimum reading 0,6 km/h  
knots minimum reading 0,3 knots  
mph minimum reading 0,4 mph  
m/s minimum reading 0,1 m/s

## 2. Wind direction :

- Compass incorporated in the instrument cap
- The cap must be withdrawn from the instrument to use the compass because the indication of this one is disturbed by the presence of the metal axis of the impeller.

## 3. Temperature measurement :

- 4 measurements modes :

### • Current temperature

For a faster and more precise measurement of the temperature and to preserve your **SKYWATCH®**, we advise you not to expose it to extreme temperatures (for example under a car's windscreen).

### • Wind Chill Factor

The Wind Chill Factor is a calculation of the wind effect on temperature. The faster the wind blows, the faster the body loses heat. It is dangerous if your body loses too much heat. For example a 0°C current temperature and a 30 km/h wind bring you a temperature of -13°C !!! At sea, in the mountain, while you are trekking or biking, the **SKYWATCH® Meteos** will give you instantly the real temperature felt by your body and preserve you from frostbite and hypothermia.

### • Minimum temperature

Calculated from the time the instrument is turned on.

### • Maximum temperature

Calculated from the time the instrument is turned on.

- Units of measurement : Centigrade and Fahrenheit

## 4. Technical data :

- Weatherproof
- Threaded for a tri/unipod
- Accuracy of the anemometer : + / - 5% depending on its orientation in the wind
- Accuracy of the thermometer : + / - 1°
- Weight : 131 grams
- Dimensions : 62 X 120 X 32 mm
- Warranty : 1 year

<b>ON</b>	Briefly push either left or right button to turn on the instrument.
<b>OFF</b>	Hold both buttons down for one second to turn off the instrument.
<b>AUTO OFF</b>	The instrument has a 36 hours auto-off to allow statistical measurements.
<b>WINDSPEED UNITS</b>	Hold down the left-hand button until the desired unit is displayed and release. 4 units available : knots, km/h mph m/s
<b>MAXIMUM &amp; AVERAGE WINDSPEED</b>	Maximum windspeed is constantly on the top LCD display. The symbol MAX is shown on the LCD. Push the left-hand button to read the average windspeed. The symbol AV is shown on the LCD for 2 seconds.
<b>CURRENT WINDSPEED</b>	Constantly on the center LCD display. Averaged over two seconds.
<b>BEAUFORT SCALE</b>	A Beaufort scale is displayed when there is a current windspeed.
<b>TEMPERATURE UNITS</b>	Hold down the right-hand button to change the unit and release. 2 units available : Centigrade and Fahrenheit
<b>WINDCHILL FACTOR</b>	Push the right-hand button. Push again to fix the arrowed symbol when it appears.
<b>MINIMUM TEMPERATURE</b>	Push the right-hand button. Push again to fix the symbol MIN when it appears. Minimum temperature is calculated from the time the instrument is turned on.
<b>MAXIMUM TEMPERATURE</b>	Push the right-hand button. Push again to fix the symbol MAX when it appears. Maximum temperature is calculated from the time the instrument is turned on.
<b>CURRENT TEMPERATURE</b>	Push the right-hand button. Push again when no symbol appears.
<b>AUTO TOGGLE MODE</b>	Press the right hand button to activate the auto toggle mode of the 4 temperature modes
<b>BATTERY</b>	Lithium battery CR 2032". Lifetime : more than 5 years under regular using. To change the battery : open the drawer on the bottom of the instrument by gripping the ends between the index and the inch. Beware of the battery's way (a "+" is marked on the drawer) and drawer during its re-installation (a locating pin is preventing an erroneous installation).
<b>RESET</b>	Remove the battery.

Limited warranty :

This limited warranty shall be in effect for one year after the date of purchase by the original consumer purchaser. During this limited warranty period, JDC ELECTRONIC SA will repair or replace without charges any defective product with a comparable product. This limited warranty will not apply to any instrument that has been misused , improperly installed, repaired, altered or which has been the subject of any negligence or accident.

The speed measurement principle of the SKYWATCH® Eole is based on magnetic transmission. The turning impeller creates a magnetic field that is detected by the SKYWATCH® Eole (JDC ELECTRONIC SA patent). If the SKYWATCH® Eole is close to another magnetic field (from a computer, electronic appliance, etc...), it may display unexpected values but only if the impeller is not turning.