

# weather<sup>eye</sup>

## Instruction Manual Weather Station WEA 27

Thank you for purchasing this elegant weather station. Its accurate mechanism allows you to monitor air temperature, relative humidity atmospheric pressure and to forecast the weather.

### **CALIBRATION:**

The weather station is carefully calibrated in-factory before delivery. However, vibrations during delivery may slightly displace the pointers. Therefore, calibration before use is recommended to give the most accurate readings possible. Reference readings can be obtained from local weather reports or websites.

**Thermometer and Hygrometer:** Insert a flathead screwdriver through the hole at the back into the small slot. Turn carefully until it gives the correct reading.

**Barometer:** Check the current atmospheric pressure from the local weather report. If you are near sea-level, the reading from the weather report should be the same as the reading shown on the barometer. If you are higher than sea-level or in a high-rise building, establish the height above sea-level of your current location in metres and divide this figure by 8. Your barometer's reading should be the reading from the weather report minus the

resulting value. If the reading is different, calibrate by inserting a small flathead screwdriver through the hole at the back and into the small screw. Turn carefully until the correct reading is set.

### **INSTALLATION:**

The weather station is designed for indoor and outdoor use. Find a location on the wall where you can clearly read the readings and ideally away from direct heat and sunshine. Mount the weather station on the wall with the screws provided. This weather station works purely on mechanical movements and does not require batteries.

### **HOW TO USE:**

#### **Thermometer:**

The thermometer gives temperature readings in degrees Celsius (°C). The comfort temperature is around 18-24°C.

#### **Hygrometer:**

The hygrometer gives the relative humidity readings in percentage (%). This measures the percentage of moisture saturation in the air. The comfort relative humidity is around 50% to 70%. Lower readings mean that the air is dry and high readings mean the air is wet and hold more water.

#### **Barometer:**

This barometer measures the change in air (atmospheric) pressure and shows the air pressure in hecto-Pascal (hPa). Higher readings means higher air pressure. The

daily air pressure at sea level can be checked from local weather reports.

Air pressure depends on the season, weather and altitude. Good weather gives higher air pressure and higher altitude has lower air pressure.

By marking the present air pressure using the adjustable pointer and then checking the air pressure 2 hours later you can predict the weather. A quick rise in air pressure means the weather will improve with sunny skies.

A drop in air pressure indicates the weather will turn cloudy, rain or even stormy.

### **CARE AND MAINTENANCE:**

Do not subject the weather station to extreme conditions; shock, extreme temperatures, scratches....etc. Check, calibrate and clean the weather station annually. Use only a damp cloth and mild detergent to wipe and clean the weather station. Wipe dry thoroughly afterwards.