



*The Barometer/Thermometer instrument, that you have purchased, is the result of many years of development and experience from a precision manufacturer in France.*

**BAROMETERS** are instruments designed to record changes in air pressure. The air pressure is the factor determining the type of weather we can expect. There are 5 major indications on the barometer: Stormy, Rain, Change, Fair, Very Dry. The actual pressure is measured in millibars (mb), ranging from 28mb's to 32mb's on our barometer. Before leaving the factory, your barometer was calibrated to standard air pressure at sea level. The operating tolerance is +/-0.2".

**In order to ensure that you will get the best possible accuracy from your barometer, please follow these steps:**

- 1) Place the barometer in a location where it will remain basically undisturbed. It should never be placed in direct sunlight, which could soften the plastic housing of the instrument and cause inaccurate readings.
- 2) Check your local TV/Radio for the exact barometric pressure in your location, at the time when you are ready to calibrate it.
- 3) **INITIAL CALIBRATION** - Gently pull the barometer out of the wooden case, by gripping the gold, outside ring of the barometer, and pulling outwards in a twisting motion. With a small screwdriver, turn the adjusting screw on the back of the instrument, until the black indicator hand points to the corresponding local barometric pressure obtained as per above suggestion. Your barometer will operate from sea level, up to 7,000 feet with reliable accuracy, after the initial calibration, and no further adjustment will be required, unless the barometer is moved to a new geographic location at a different altitude.
- 4) **DAILY OPERATION** - Most of the time, the change in pressure is minimal. To actually notice the change, use the movable brass pointer hand, which remains in the same place, until it is moved again. Place it directly above the black barometer hand, which moves with the change in air pressure. The next time you check the barometer, you can determine if the pressure is changing and in which direction. This is accomplished by comparing the location of the black barometer hand in relation to the brass pointer. **It is highly advisable to lightly tap the center brass pointer knob, with your finger before taking a reading. This light tap will overcome any friction that may affect accurate readings.**



- 5) Barometric readings should be taken, preferably at the same time, daily. **Remember that the rate of change is as important as the amount of change in determining weather changes.** During unstable weather conditions, you may want to take multiple barometric readings each day.

**The following basic rules will hold true in using the barometer to predict weather conditions:**

- A fast rise in barometric pressure means good weather of short duration.
- A rapid drop in barometric pressure means disturbances nearby - showers of short duration.
- A regular rise in barometric pressure usually will indicate clear, dry weather conditions (cold and dry in the winter)
- A slow, but continuous drop in barometric pressure, will indicate persistent bad weather.
- A slow drop of 2-3 tenths per 24 hours, indicates a depression some distance away.
- A drop of 1-2 tenths per hour means disturbances nearby, of short duration.
- A steep drop of 6-10 tenths within a 4-5 hour period, indicates coming rain and storms with strong winds.

**THERMOMETER** readings are indicated by the small red pointer hand at the bottom of the barometer in the both Centigrade and Fahrenheit scales.

**CLOCK** is made of quality quartz movement and uses one "N" size battery (included) to operate.

**TO SET THE TIME, OR TO CHANGE THE BATTERY**, gently pull the clock out of the wooden case, by gripping the gold, outside ring of the movement and by pulling outwards, in a twisting motion:

- 1) To change the time, turn the red knob on the back of the movement, to the correct time.
- 2) To replace the battery, remove the black battery cover, take out and properly discard the old battery. Insert the new "AAA" size battery into the battery holder, according to the symbols + and -.
- 3) Carefully replace the clock in the wood case, using the 12 o'clock position as a guide.



## INSTRUCTION SHEET

# Deluxe Desk Weather Station

- ITEM #73100 -

- CLOCK - BAROMETER - THERMOMETER •
- SOLID WOOD, PIANO FINISH CABINET •