

BAROMETER

Operating Instructions:

A barometer is an instrument used to predict a change in weather by measuring variations in atmospheric pressure, or the weight of the air around us. The barometer will normally indicate changes in weather 12 to 24 hours in advance. It is not an indicator of present weather conditions.

Your barometer is an aneroid type which measures atmospheric pressures mechanically without use of liquids. An evacuated hollow metallic diaphragm is employed to actuate a pointer indicating atmospheric pressure.

Your barometer can be mounted indoors as the pressure will be the same as outdoors. Don't take any notice of the words Rain, Change, Fair. They are there only as a traditional graphic decoration. At sea level the normal atmospheric pressure is about 30 inches, very rarely will the needle ever exceed 30.5 or drop below 29.5. Sometimes it is possible for the pressure to only change one or two tenths of one inch over a week or so, even a storm may only make a half inch change.

When your barometer left the factory, it was set at standard sea level. It is necessary for you to adjust it to the atmospheric pressure in your geographic area by means of the small screw found on the back of the movement. This pressure will decrease as your altitude increases. To access the screw, open case lid (bezel) to expose back of movement. If case has screw-on type bezel, simply unscrew bezel. If case has hinge type of bezel, unscrew latch and flip bezel open. If you have an Orion model, see "Drop in Module" addendum.

Contact your local weather bureau for present atmospheric pressure and adjust your barometer accordingly. For every 100 feet in altitude an adjustment of 0.11 inch is required (1000 ft. = 1.1 inch). The movements used in Weems & Plath® barometers are adjustable up to an altitude of 3500 feet.

The moveable pointer at the center of the glass cover should be set to the present atmospheric pressure. This will allow you to return to the barometer after some time has passed, and determine if the atmospheric pressure is on the "Rise" or "Fall".

Weems & Plath®

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