

Measurement & Instruments

Anemometer Measures wind speed and direction.

Wind is measured in kilometres per hour or in knots.



Barometer Measures atmospheric pressure.

Pressure is measured in **hectopascals**.

High pressure usually signifies clear weather.

Low pressure usually signifies cloudy, rainy weather.



Ceilometer Measures the height of the base of a cloud layer.

Ceilometers are very useful at airports.



Hygrometer Measures the amount of water vapour (humidity) in the air.

Humidity combined with hot temperatures makes it feel uncomfortably warm.



Rain Gauge

Measures the amount of precipitation in millimetres.



Stevenson' Screen

A wooden louvered rectangular box which houses maximum and minimum, wet and dry bulb thermometers.

On the right hand side is a **bimetallic thermograph** for temperature.

On the left is the **hygrograph**, used to measure humidity.



**Sunshine Recorder -
Campbell
Stokes
Recorder**

Measures the duration of sunshine in hours.

