

## Measurement & Instruments



*Anemometer*

### **Anemometer**

Measures wind speed and direction.

Wind is measured in kilometres per hour or in knots.



*Barometer*

### **Barometer**

Measures atmospheric pressure. Pressure is measured in hectopascals.

High pressure usually signifies clear weather.

Low pressure usually signifies cloudy, rainy weather.



*Ceilometer*

## **Ceilometer**

Measures the height of the base of a cloud layer.  
Ceilometers are very useful at airports.



*Hygrometer*

## **Hygrometer**

Measures the amount of water vapour (humidity) in the air.  
Humidity combined with hot temperatures makes it feel uncomfortably warm.



*Rain Gauge*

## **Rain Gauge**

Measures the amount of precipitation in millimetres.



*Stevenson' Screen*

## **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*

## **Sunshine Recorder - Campbell Stokes Recorder**

Measures the duration of sunshine in hours.