



Whirling Psychrometer



The Whirling psychrometers are used to measure relative humidity and also equipped with mounted on ABS plastic frame, plastic handle, water reservoir-water proof tetron cloth soft carrying case with nylon string & hygrometric tables. Weather observers can use a sling psychrometer to measure the amount of water vapor in the air - that is, its humidity. It consists of two glass thermometers containing a liquid. One thermometer measures the air temperature while the other one measures the wet-bulb temperatures. After the wick is dipped in distilled water, a weather observer whirls the sling psychrometer around, using the handle.

As the instrument is whirled, water evaporates from the wick on the wet-bulb thermometer and cools the thermometer. The wet-bulb thermometer cools to the lowest value possible in a few minutes. This value is known as the wet-bulb temperature. The drier the air the more the thermometer cools and hence, the lower the wet-bulb temperature.

TECHNICAL SPECIFICATION :

Dimensions	:	230 x 80 x 28mm
Range	:	-5°C to 50°C
Weight	:	300g (0.6lb)

Relative Humidity Table

Accuracy	:	±2%
Range	:	1 - 99%RH
Dewpoint	:	±2°C 0 - 20°C
Dewpoint	:	±6°C > 20°C