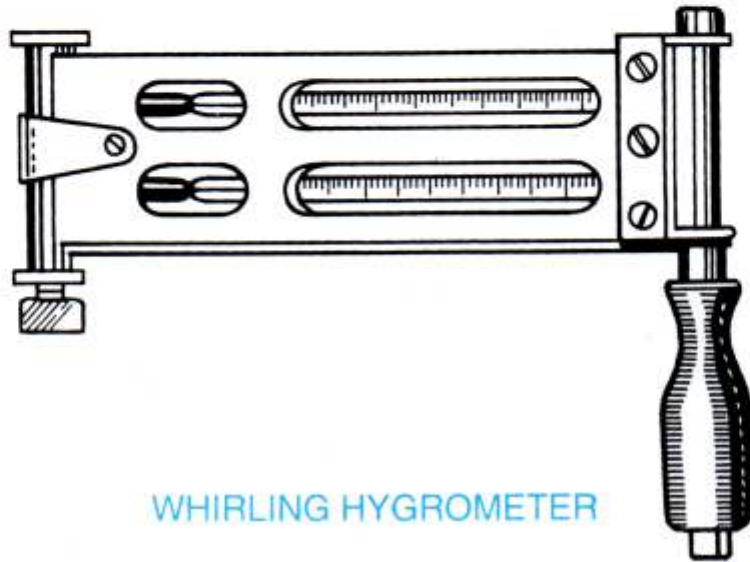


WHIRLING — HYGROMETER



WHIRLING HYGROMETER

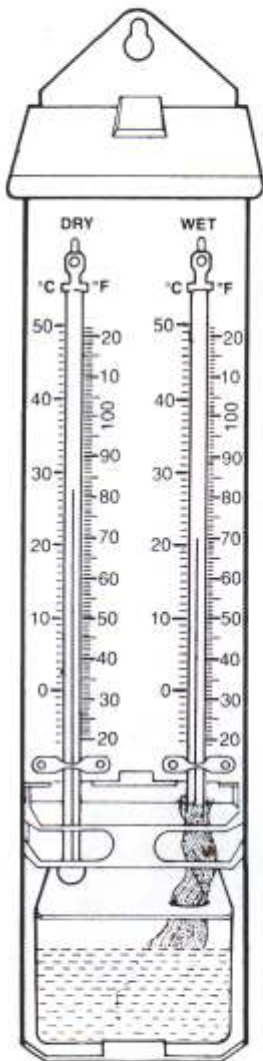
'NMC' Whirling Hygrometer Consists of two thermometers with least count of 0.5° C and range $0-50^{\circ}$ C and are mounted side by side in a plastic wooden frame. One revolving handle is fixed to the frame in such a manner that the instrument can be rotated smoothly at about 3 to 4 rev/s to have an air speed of at least 4m/s past the bulbs. One of the thermometer has its bulb covered with a single layer of thin cotton fabric.

The Thermometer are read & the whole operation is repeated until agreement is reached between several successive wet bulb readings.

When the temperatures are known, the percentage saturation of the air is found from tables.

It is supplied complete with leather cover.

WALL TYPE HYGROMETER

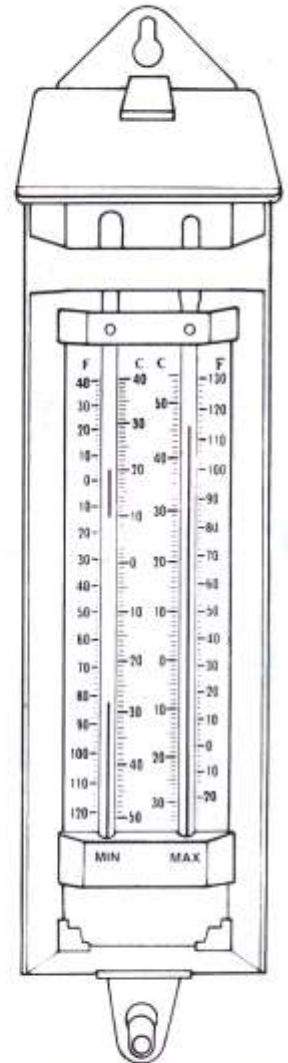


Wall Type Hygrometer

Wall type Hygrometer
Comprises two Thermometers placed side by side with one dry Bulb and other Wet Bulb. When the air is saturated no evaporation takes place and the readings are identical in both the Thermometers. In un-saturated air, Wet Bulb Thermometer reading will be slightly lower than the dry Thermometer. Evaporation of water from muslin increases the moisture content of the air in the vicinity of both bulbs. If the air velocity is less than 2m/sec, this type of Thermometer is likely to give slightly incorrect reading. Relative humidity of-air can be found out with reference to the table.

MAXIMUM & MINIMUM THERMOMETER

It comprises two Thermometers mounted on a plastic case. Range of Maximum and Minimum Thermometer is -25° - 60°C . It is supplied complete with a magnet for adjustment. It is very light in weight & convenient for registering maximum & minimum temperatures.



Maximum & Minimum Thermometer

DUMB BELL THERMOMETER



(Jerk Type)

They are available in two ranges - 0 to 100°C to 0 to 400°C . The mercury passage is constricted at the neck so that the reading registered by the Thermometer does not come down unless jerked. This Thermometer is housed in a brass/s.s. casing. The casing is provided with the holes surrounding the bulb. It enables the Thermometer to register the correct temperature. This Thermometer finds application in knowing the temperature behind fire stopping, strata temperature, bore hole temperature etc.