

Whirling Hygrometer

The established and well-known method for determining the temperature and moisture content in the air prior to painting.



Complies with International Standards	
BS 2842	ASTM E 337-B

Whirling Hygrometer

The Whirling Hygrometer is one of the most economic methods of monitoring relative humidity and dew point.

Two models are available: BS Whirling Hygrometer with mercury bulbs fitted and a Budget Whirling Hygrometer with red spirit bulbs fitted.

Easy to use, rotate the Whirling Hygrometer rapidly in order to achieve the required air movement around the thermometer bulbs. One thermometer bulb is exposed to the ambient air temperature, providing the dry bulb reading. The other thermometer bulb, which is kept wet with the aid of a fabric sleeve and built in water reservoir, provides the wet bulb temperature. The relative humidity and dew point can now be calculated using the tables provided.

Used in conjunction with the Dewpoint Calculator, it will allow easier calculations of the relative humidity and dew point.

Calibration Certificates are available traceable to UKAS.

Supplied in a Protective Pouch.

Dewpoint Calculator

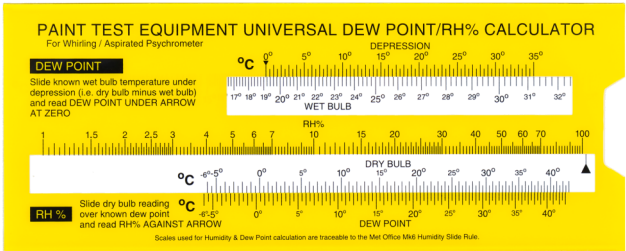
A simple and easy to use slide calculator which allows the dew point temperature and relative humidity to be determined from the wet and dry bulb readings of the Whirling Hygrometer.

The determination of dew point is essential to ensure that moisture or condensation does not form on work prior to painting.

Easy to use, for the dew point, slide the known wet bulb temperature under the depression (i.e. the dry bulb minus the wet bulb) and read the dew point under the arrow at zero. For the relative humidity, slide the dry bulb reading over the known dew point and read the relative humidity against the arrow.

Scales used are traceable to the UK Meteorological Office.

Supplied in a Protective Pouch.



Whirling Hygrometer Specifications

Part No	Product	Bulb Type	Range	Resolution	Accuracy	Cal Cert Part No
H2001	Whirling Hygrometer	Spirit	-5 to +50°C	0.5°C	±2%	NH002
H2002	Whirling Hygrometer	Mercury	-5 to +50°C	0.5°C	±2%	NH002
H1002	Dewpoint Calculator		-6 to 43°C 20 to 110°F	0.5°C 1°F	±1%	NHC01 (conformance)