

Product data sheet

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HEAVY DUTY WHIRLING HYGROMETER

Whirling hygrometers, also known as sling psychrometers, employ the "wet" and "dry" bulb principal to determine %RH. They are designed to be rotated, by hand, to provide adequate and consistent ventilation of the bulbs. These hygrometers are spirit filled and replacement refill tubes are available on request. Calibration certification also available.



Product features:

- Whirling hygrometer for measuring Relative Humidity (%RH)
- Supplied with 2pcs replacement wicks
- Complete with carry case and calculator chart (see below)
- Environmentally friendly blue spirit filling
- Replacement tubes available

Product specifications:

- Temperature range: -5 to +50°C
- Accuracy: +/-1°C
- Divisions: 0.5°C
- CE/RoHS/WEEE: N/A
- Hazard information (SDS): See brannan.co.uk for information
- Product dimensions: Net: 82mm x 232mm x 30mm (with handle closed)
Gross: 90mm x 242mm x 31mm
- Component weight: Net: 206g
Chart: 4g
Carry case: 4g
Display box: 48g
Gross: 288g

Description	Barcode	Product No
Whirling Hygrometer	5 011405 137449	13/744/2
Pair refill tubes	n/a	13/044/2

Thermometers & Instrumentation		%Relative Humidity Tables for Aspirated Psychrometer readings in °C	
Instructions for use Use these tables to determine the % Relative Humidity from the dry bulb temperature and the wet bulb depression. 1. Open the wick container, wet the wick thoroughly and ensure the wick on the thermometer case horizontally and rotate the thermometer frame for 30 to 40 seconds (180 revolutions/minute) as BS 2942 (1992). 2. Hold the thermometer case horizontally and rotate the thermometer frame for 30 to 40 seconds (180 revolutions/minute) as BS 2942 (1992). 3. Record temperatures of the wet bulb (first) and dry bulb & calculate the wet bulb depression (ie the difference between the two readings). brannan.co.uk		Reading of Dry Bulb °C	Reading of Dry Bulb °C
Depression of Wet Bulb °C	0.5	11	12
	1.0	10	11
	1.5	9	10
	2.0	8	9
	2.5	7	8
	3.0	6	7
	3.5	5	6
	4.0	4	5
	4.5	3	4
	5.0	2	3
	5.5	1	2
	6.0	0	1
	6.5	-1	0
	7.0	-2	-1
	7.5	-3	-2
	8.0	-4	-3
	8.5	-5	-4
	9.0	-6	-5

Measurement for life.

