



Specification  
DH85  
Hygro-moisture meter



All specified accuracies are at 23°C ± 5°C, <70% R.H. for 1 year.

Temperature coefficient: 0.1 x (specified accuracy) per °C,  
(-20°C to 18°C, 28°C to 60°C).

**MOISTURE**

Range	Resolution	Accuracy
Wood 1 – 8.8% to 54.8% (Hard wood)	0.1%	± 1%  (conductivity measurement)
Wood 2 – 7.0% to 47.9% (Soft wood)		
Mortar 3 – 0.9% to 22.1% (Plaster)		
Mortar 4 – 0.0% to 11.0% (Anhydrite screed)		
Mortar 5 – 0.7% to 8.6% (Cement mortar)		
Mortar 6 – 0.6% to 9.9% (Lime mortar)		
Mortar 7 – 0.1% to 16.5% (Bricks)		

**RELATIVE HUMIDITY**

Range	Resolution	Accuracy
0 to 100% R.H.	0.1% R.H.	± 2.5% (10% to 90% R.H.) ± 5% (0% to 10%, 90% to 100% R.H.)

Sensor: Digital capacitive humidity sensor

Sensor response time for 90% of total range: 60 seconds typical

Sensor hysteresis (excursion of 10% to 90% to 10% R.H.): ±1% R.H. typical



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**TEMPERATURE**

Range	Resolution	Accuracy
-20°C to 60°C	0.1°C	± 0.5°C (0°C to 45°C) ± 1°C (-20°C to 0°C, 45°C to 60°C)
-4°F to 140°F	0.1°F	± 1°F (32°F to 113°F) ± 2°F (-4°F to 32°F, 113°F to 140°F)

Sensor: thermistor temperature sensor


**GENERAL**

Display: liquid crystal display

Measurement rate: once per second

Power: 2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)

Continuous operating time: 200 hours typical with alkaline battery

Low battery indication: The  is displayed when the battery voltage drops below the operating level

Auto power off: after approx. 10 minutes

Dimensions: 132.9(L) x 50.9(W) x 24.7(D) mm

Weight: 118g approx including batteries

Includes: protective cover, 2 x 1.5V AAA batteries, detachable carry strap and instructions

**ENVIRONMENTAL**

Operating environment: -20°C to 60°C

Storage environment: -20°C to 60°C <80% R.H. with batteries removed

**EMC**

Conforms to BS EN61326-1