

# Digital Floor Thermo-Hygrometer

## Overview

The Digital Floor Thermo-Hygrometer is a simple instrument used to assist in the evaluation of the moisture content of solid floors.

The hygrometer measures the relative humidity of air entrapped in the humidity box which is in contact with the floor under test.

The box is sealed to the floor with mastic sealant strip, and is left in place long enough for the entrapped air to reach moisture equilibrium with the solid floor. At least 24 hours is required for equilibrium to be reached; very smooth floated floor finishes may require longer. If the relative humidity (RH) readings are periodically checked, equilibrium can be considered to have been reached when the readings have reached stability and no longer changing.

When laying floor finishes, the installer should rely on advice from the floor finish manufacturer as to the acceptable equilibrium relative humidity (ERH). In the absence of more specific guidance, 75% ERH or less is a typically accepted value for sand/cement screed finishes.

For the most accurate results, place the instrument out of direct sunlight and away from draughts.

Underfloor heating should be switched off at least four days before readings are taken.

When switched on, the device will display the current Relative Humidity and Temperature.

The Thermo-Hygrometer also records maximum and minimum readings of relative humidity and temperature.

1. Press Max/Min to display the maximum reading
2. Press Max/Min again to display the minimum reading
3. Press Max/Min again to return to current measurements

Press and hold Max/Min for 3 seconds to clear the memory.

Note that the memory is cleared when the unit is switched off.

Unscrew battery cover on rear to replace battery.

## Specification

Temperature Measurement Range:	0 to 49.9°C
Humidity Measurement Range:	20 to 99%RH
RH Measurement Accuracy	+/- 5%
Battery:	3V CR2032 Lithium coin cell
Battery Life:	5000 hours

The Digital Floor Thermo-Hygrometer is a basic aid to floor condition testing. It is supplied as direct from the manufacturer without calibration certification.

**Conditions of use and interpretation of results are outside of the supplier's control, and no liability whatsoever will be accepted by the supplier for any failure of the equipment to function as expected.**