

Package RH-B

Applications

Measures relative humidity, temperature, grains per pound and dew point temperature: RH, Temp, DewT, GPP. Used in production plants, flooring installations, inspections and water damage repairs, where relative humidity is an important factor influencing moisture in wood and most materials in the building envelope.

Advantages

Lignomat's precision RH BluePeg probe gives this thermo-hygrometer **great accuracy and a short response time**. Because the RH probe is not permanently attached to the meter or housed inside the meter, the RH cable can be connected to the Probe for remote measurements and depth adapters RH-DA can be added to extend the length of the probe.

Option: Add Accessories for RH in-situ concrete moisture testing (ASTM F2170)

Thermo-Hygrometer

The Ligno-Tec RH has a 3.5mm stereo jack mounted in the top of the meter to connect the RH Thermo-Hygro probe (adapter with RH BluePeg probe). As soon as the connection is established, the Ligno-Tec RH indicates values for RH, Temp, DewPT, GPP. The display also indicates an individual 3-digit probe number to allow keeping track of probe measurements and performance.

RH Adapters and Cables

The Adapter comes with 3.5mm stereo plugs (male) on both ends to connect Lignomat's RH BluePeg Probe directly to the Ligno-Tec RH. A RH cable 6 ft for remote measurements is included with package RH-B. The cable is used when the probe at the meter cannot reach the area to be measured or when the display cannot be seen, while measuring a tight spot.

The distance from the top of the meter to the end of the probe is 2.25" including the RH adapter. If that is too short to reach into heat ducts, walls and other small crevices, the shaft of the probe can be extended with the RH depth adapter #RH-DA (A photo below)

Specifications:

Meter Size: 4.75"L X 2.5"W X 1"H

Specifications RH Thermo-Hygro Probe:

RH: +/-2% (10-90%), +/-3% below 10%, above 90%

T: +/- 0.5°F (32-120°F) , +/- 1°F (5-32°F and 120-160°F) Response time 8 sec.

Resolution for RH and T: 0.1% and 0.1°.

Includes 1 RH BluePeg and 1 RH Adapter

Note: Off-the-shelf thermo-hygrometers usually come with an accuracy rating of $\pm 5\%$ for relative humidity and $\pm 2^\circ\text{F}$ for temperature.

Package Includes

- 1 Ligno-Tec RH meter
- 1 9V battery
- 1 Instruction manual
- 1 RH Thermo-Hygro probe
- 1 RH Cable 6'
- 1 pouch



The Ligno-Tec RH can be used as:

- RH precision Thermo-Hygrometer
- RH in-situ concrete moisture testing



For relation between wood moisture and humidity, see EMC chart.



LignoTec RH as Thermo-Hygrometer



Thermo-Hygro probe



(A) RH Probe with depth-adapter



with extension cable