

# Package RH-KS

## Applications

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

## Advantages

Lignomat's precision RH BluePeg sensor gives this thermo-hygrometer great accuracy and a short response time. The RH probe can be connected with a cable for remote readings. The RH probe is designed to fit in Lignomat's sleeve for in-situ probe testing in concrete.

## Description

The RH-KS package converts LignoTec RH into a precision thermo-hygrometer. The hygrometer indicates relative humidity, ambient temperature, dew point temperature and grains per pound.

### In-situ probe testing of concrete:

The RH-KS package contains accessories needed for RH testing: 1 RH Bluepeg probe, 10 sleeves with caps, 1 RH-CC cable and 1 brush (drill bit is not included). Design of equipment and test procedure are governed by the ASTM standard F2170. Lignomat's RH BluePeg system complies with the latest F2170 standard.

After drilling, cleaning and setting the sleeve, the RH BluePeg probe easily drops into the sleeve. The cap fits perfectly and is as flat as can be. The cable connection is provided by a simple, fail-proof 3.5mm stereo plug. No pin alignment of the cable needs to be fitted and no set-up of the meter is necessary. The meter switches into RH mode as soon as an RH cable is connected. Plug in and read, that's what our customers like.

The display shows the measured value and the RH Probe number. The RH probe number is an individual number 1-999 to allow keeping track of probe location during testing, measurements and performance.

### Thermo-Hygrometer

To activate the RH thermo-hygrometer mode, plug the RH Adapter into the RH BluePeg probe, next the RH Adapter can be plugged into the stereo connector at the top of the meter. Instead of using the Adapter RH, the 6 ft RH-CC cable included in the package can be used for remote measurements (any stereo cable could be used).

As soon as the connection is established, the Ligno-Tec RH is in RH mode. When the READ button is depressed, the meter immediately indicates the relative humidity. The up or down keys allow recalling the values for ambient Temperature, Dew Point Temperature and Grains Per Pound.



The Ligno-Tec RH can be used as:

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



RH BluePeg converts meter to precision thermo-hygrometer.

For relation between moisture and humidity, see EMC chart.



RH-CC Cable extends connection of BluePeg probe to meter for in-situ concrete testing. Red Cap is used to specify which sleeve holds a BluePeg Probe.

## LignoTec RH

A precision, fast-acting Thermo-Hygrometer with accessories for RH in-situ moisture testing of concrete (ASTM F2170). Ideal for contractors, floor covering installers and restoration specialists. The meter indicates , ambient relative humidity and temperature, DPT and GPP.

Thermo-Hygrometer: If you are looking for a hi-accuracy Thermo- Hygrometer with a short acclimation time, the Ligno-Tec should be your choice. The RH probe is detachable. For extended reach, the probe can be connected with a stereo cable up to 50ft long.

Moisture testing in concrete with in-situ RH probes: The Ligno-Tec RH meter, reusable RH BluePeg Probes, sleeves and cable are designed to comply with latest ASTM F2170 standard for a simple and fail-proof concrete moisture testing procedure.

### Meter Specifications

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

Display: Resolution: 0.1% for the entire range, life-time warranty

### Specifications RH BluePeg:

RH: +/-1.8% (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°.

### Package Includes

- 1 lignotec rh meter
- 1 9V battery
- Built in connector for an assortment of RH accessories
- 1 RH BluePeg probe
- 1 RH adapter
- 10 standard sleeves
- 1 RH-CC cable
- 1 RH-Brush
- 1 case S



RH BluePeg Probe and sleeve used for in-situ concrete moisture testing.



RH accessories include:  
- BluePeg Probe  
- RH Cable, Adapter  
- RH Sleeves