

Approved
user-friendly

RH BluePeg System



Moisture Measurement and Relative Humidity Testing for Concrete



Concrete Contractors and
Floor Covering Professionals

retrievable - reusable - economical

Make your investment worth every dollar spent

Approved *user-friendly* RH BluePeg System

The RH Blue-Peg uses a single microchip, factory calibrated to NIST standards. Each BluePeg comes with a NIST traceable certificate. The RH BluePeg Probes comply with the latest ASTM standard for F2170. For the first year, Lignomat offers to check the probe calibration at no charge. For sensitive tests, the calibration of the removable probes could be checked after the test.



Better sealing, easier-to-place sleeves:

Lignomat's sleeves have feathered fins along their entire length, which provide an excellent seal. The lip of the sleeve covers the area around the concrete hole and provides another barrier for any air escaping. At the bottom of the sleeve is a movable cylinder, which places the RH Probe every time as required by ASTM F 2170. Standard sleeves require no cutting. 3" long sleeves available.



Better sealing, flatter caps:

Lignomat's caps come with an o-ring to absolutely seal the sleeves. The caps are flat and do not interfere with any traffic around the test area.



Fast connection:

A fail-proof, easy-connect 3.5mm stereo plug is used to connect RH probes. No twisting, turning or setting-up an instrument for readings. No pin arrangements need to be fitted.



Most accurate testing: Our Meter instantly shows the RH and temperature values. The resolution on Lignomat's RH meters is 0.1% (0.1°F). No guessing or rounding up.



We test RH probes in-house during the first year 3 times free of charge. We also offer RH test salts.



RH Packages



Lignomat's RH Packages:

- Concrete Package with Ligno-Tec RH meter
- Flooring Package with Ligno-DuoTec BW meter
- Inspector Package with Ligno-VersaTec and E12

Add more RH Probes and more sleeves at the time of purchase to get the package discount.

All in one package: V2-KM: With the **Ligno-VersaTec** you can choose the right measuring mode and the right accessories for the job on hand. The Ligno-VersaTecs pinless mode allows instant concrete measurements to aid in selecting the best RH Probe placement. Complies with ASTM F2659.

This meter comes with dual-depth measuring capabilities for all wood and concrete settings.

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Integrated RH Technology

Lignomat's RH BluePeg probes are designed to comply with the latest ASTM F2170 standard. However, the stand-alone RH BluePeg probes with universal 3.5mm stereo connectors allow easy integration with other Lignomat's measuring technologies.

1. Handheld meters with RH Technology:

- **RH-only meter:** Ligno-Tec RH
- **RH-pinless meter:** Dual-depth Ligno-Duotec BW
- **RH-pinless- pin meter:** Dual-depth Ligno-Versatec

2. On-site Data Loggers with RH Technology:

- **RH-only BL2:** records RH in 30 s - 1day intervals.
- **RH and MC:** records one RH and 3 wood moisture probes. Programmable for other materials.

3. Wireless transmitters in RH Technology:

- Single RH transmitter
- Single RH transmitter plus one MC probe

With Lignomat you have a choice.

You can select the handheld meter, which best fits your needs. It could be the RH meter only, because you do not need to measure wood. It could be the Ligno-VersaTec, which can be used as pinless meter and pin meter with one of Lignomats electrodes.

- Data logger BL2 stores RH/T readings. To download readings the BL2 needs to be connected to a PC.
- The wireless transmitters are automatically up-dating measurements at an on-site PC or can be remotely accessed from any PC.

Summary: Measuring Moisture in Concrete: pin - pinless - in-situ

Meter/Logger	◀ RH in-situ test conforms with ASTM F2170	◀ pinless, dual-depth conforms with ASTM F2659	◀ pin for instant evaluation
Ligno-Tec RH	x		
Ligno-DuoTec BW	x	x	
Ligno-VersaTec	x	x	x
mini-Ligno S/DC			x
mini-Ligno DX/C			x
Lignometer K			x
Data Logger BL2	x		
MC Tracker BL2	x		x
Wireless MC/RH	x		x

The importance of testing moisture in concrete

Concrete slabs are an integral part of a building and excess moisture in a slab affects the entire structure -- from walls, to floor coverings to interior decorations.

Why is the new RH in-situ moisture test the preferred method over all previously used test methods.

1. An uncovered slab can be dry at the surface, but still retain high moisture levels in the core.

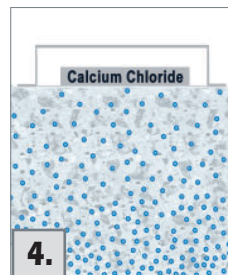
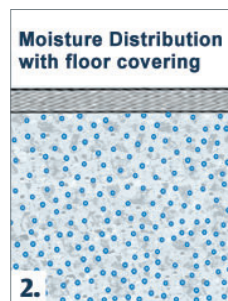
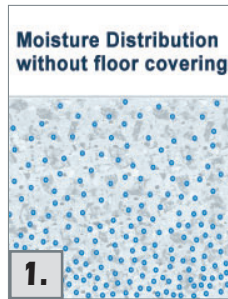
2. Once the surface is covered or sealed, moisture inside the slab is trapped and over time redistributes itself throughout the slab. That results in an increase of moisture at the top of the slab.

Floor installers need to be sure that no extra moisture is hiding in the core of the slab.

3. The in-situ RH probes measure deep enough to reach the mid section of a concrete slab. The RH test is now recommended by many floor covering manufacturers, because of its greater reliability.

4. Handheld pin/pinless meters should only be used to show high and low moisture areas and not to determine whether or not resilient floor coverings should be installed.

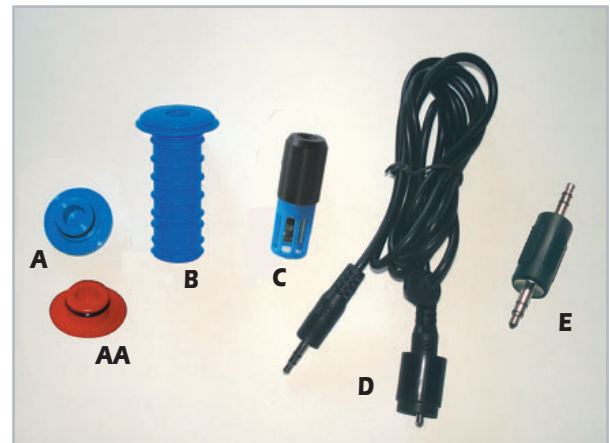
5. The Calcium Chloride test can also fail. This test only takes into consideration the top section of the slab; and the evaporation measured by the test depends on the ambient relative humidity around the slab. In high humidity, a floor evaporates less than in low ambient humidity.



High quality standards and excellent customer service have given Lignomat's moisture meters a respected name in the industry. Lignomat has been manufacturing wood moisture meters for a variety of industries for over 40 years. In the same tradition Lignomat now offers a series of meters with RH capabilities for measuring moisture in concrete. Besides calibration accuracy and reliability the main feature of the new RH BluePeg system is its outstanding user friendliness.

**easy to install - easy to use - easy to remove
economical**

Accessories for BluePeg Systems



- A Blue Cap AA Red cap to mark sensor location
- B Sleeve with blue cap
- C RH BluePeg sensor
- D RH Cable with cable-end-cover to fit sleeve
- E RH Adapter

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