

## Accessories, Description and Specifications for RH BluePeg Probes



RH BluePeg probes. Sold in sets of 1, 3, 5, 10, 25. #RH-B. Comply with ASTM F2170. Re-usable in-situ RH probes.



RH Cable with 3.5mm plugs. Connects meters and data loggers to RH probes. #RH-C.



RH Cable with 3.5mm plugs with sleeve-seal for insitu concrete testing while probes are inside sleeves. #RH-CC.



RH Cable with 3.5mm plugs with sleeve-cover to monitor RH probes. Cable stays connected. #RH-CB.



RH Adapter. Connects RH Probe directly to RH meter For Thermo-Hygrometer usage. #RH-A.



RH Depth-adapter makes RH probe longer to reach small crevices. Used for in-situ testing. #RH-DA.



RH Depth-adapter plugs into RH probe for easy cable connection in sleeves over 2.4" long.



Standard sleeves 1.8". #RH-S  
Sleeves 3" long. #RH-SL  
Adjust length by cutting. For short sleeves use #RH-EX.



Vacuum attachment to clean holes, in-situ RH concrete moisture test. #RH-V



Brush to clean-out holes, in-situ RH concrete moisture test. #RH-BR



RH-Top Extenders cover RH probes in shorter sleeves. Seal-off spaces for monitoring with data loggers. #RH-EX.



Salt solution 75% to check calibration of RH probes. Comes with cable #RH-CB and fittings for BluePeg probes. #T-75.



Ligno-Tec RH meter:  
-- RH/ T / DPT / GPP



Ligno-DuoTec BW meter:  
-- RH/ T / DPT / GPP  
-- pinless, dual-depth



Ligno-VersaTec meter:  
-- RH/ T / DPT / GPP  
-- pinless, dual-depth  
-- pin



Data logger BL2 records  
-- RH/ T / DPT / GPP / EMC  
Measures inside wall sealed off with cable RH-CB.

## RH BluePeg Probe: Description and Specifications

### Description:

The RH BluePeg probes are used with Lignomat's RH meters and data loggers.

**Thermo-Hygrometer:** RH meters and data loggers function as thermo-hygrometers after the RH BluePeg Probe has been connected. The meters indicate ambient relative humidity, temperature, dew point temperature and grains per pound. For a short connection the handy RH adapter is available (photo 1). For remote measurements RH cables up to 50 ft long are available. Standard length supplied is 6ft (photo 2).

**Concrete in-situ RH Moisture Testing:** Lignomat's RH BluePeg system is designed for in-situ RH concrete moisture testing according to the ASTM standard F2170. The RH BluePeg probes are removable and reusable for multiple testing. Lignomat's probes, sleeves, cables and meters allow for a fast, simple and fail-proof test procedure.

To connect the RH BluePeg probe to one of the meters or data loggers an in-between connection is needed, either the RH adapter or a RH cable (RH concrete cable, RH-CB cable).

Lignomat offers three RH meters and two data loggers:

— Ligno-Tec RH — Ligno-DuoTec BW — Ligno-VersaTec

— RH data logger BL2 Memo-Chip — MC Moisture Tracker

The **RH BluePeg probe** uses a single micro-chip humidity and temperature sensor, factory calibrated to NIST standards. A NIST certificate can be found on this web page in the Document tab. During the first year we offer to check the accuracy of the probe calibration three times at no extra cost. This is helpful for our customers, who use the RH probes for in-situ concrete testing, because ASTM regulations require a calibration check when the probes are being re-used.

Each RH probe has an **individual probe number** programmed on the micro-chip. The last 3 digits of this number are displayed on the meter (#) along with the measured values and the mode indicator (RH, Temp, DewP, GPP).

### Specifications RH Measurements with RH BluePeg Probes

Relative Humidity	<b>0% to 99%:</b> Resolution for entire range is 0.1% ±2% for 10 to 90% ±3% for 0 to 10% ±3% for 90 to 99.9%
Ambient Temperature	<b>5°F to 160°F:</b> Resolution for entire range is 0.1°F (0.1°C) 32°F to 120°F, ±0.5°F (0°C to 50°C, ±0.3°C) 5°F to 32°F, ±1°F (-15°C to 0°C, ±0.5°C) 120°F to 160°F, ±1°F (50°C to 70°C, ±0.5°C)
DPT	- 17.8°F to 160°F (Dew Point Temperature)
GPP	0-99.9 (Grains per Pound)
Size	Ø 0.5 inches (1.27cm), length 1.35 inches (3.8cm) Multiple slots for air circulation around RH sensing element
Connections	Easy-to-connect 3.5 mm stereo connectors. RH probe comes with 3.5mm stereo jack. RH adapter and RH cables come with 3.5 mm stereo plugs on both ends to connect RH BluePeg probe to meters or data loggers.
Calibration	Calibration Salts for 33 and 75% RH available. During the first year Lignomat checks the calibration three times at no charge.

All Lignomat meters come with a 2 year warranty. Accessories have one year warranty. Battery and pins are excluded.



Specifications are subject to change without notice.  
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**Thermo-Hygrometer:** RH Adapter is needed to connect RH BluePeg probe meter and data logger.



When the meter with RH adapter and probe does not reach far enough, use the RH cable for remote measurements.



Lignomat's RH BluePeg system for in-situ RH concrete moisture testing, conforms to ASTM F2170 with reusable probes.



Monitor humidity changes with BL2 data logger. Measuring depth from 0.5" to 15". Opening is sealed with the RH-CB cable with sleeve-cover.