

Package V2-M

Applications

For anyone, who wants to use pin and pinless measuring modes side by side to keep close tabs on wood moisture during lumber drying, manufacturing of wood products, flooring installations, inspections and water damage repairs.

Advantages

Pin – pinless – RH: When every job is different, the Ligno-VersaTec is the most versatile meter, all-in-one. It has the widest moisture range and is set-up to measure different wood species, bamboo, OSB and many other materials. With the Ligno-VersaTec you can choose the right measuring mode and the right accessories for the job on hand for fast estimates or accurate percent measurements.

Electrode **E12** allows accurate surface and core measurements with insulated pins up to 2" deep. The industry standard for moisture measurements in lumber during drying, wood, wood floors and structural components in the building envelope.

Description

The package V2-M consists of the moisture meter Ligno-VersaTec (pin-pinless-RH) and 2 pin electrodes in a hard-shell carry case.

The **Ligno-VersaTec** is the most advanced meter among Lignomat's moisture meters for pin-pinless-RH measurements. The meter provides for pin and pinless measurements and the option to add a RH probe for RH/T/DT/GPP readings. Features are the wide moisture range and more than 170 correction settings for measuring domestic and tropical wood species, OSB and other panel products, bamboo, gypsum and different types of wall boards. Relative scales are included for concrete, cementitious materials, plastics, insulation...

The **pinless mode** on the Ligno-VersaTec is set to measure 1/4" and 3/4" deep, using separate sets of calibrations for each measuring depth. Pinless mode in the VersaTec allows fast and easy measurements of flat materials up to 3/4" deep. If the material is not flat, or measurements should reach deeper and differences between surface and core moisture have to be measured, the Electrode E12 should be used to accomplish those tasks.

Electrode E12: The E12 is designed to measure from the surface to 2" deep (with DB pins). All E12 pins are insulated and measure only at the tip. The slide hammer helps inserting and removing the pins. As pins are hammered into the material, consecutive readings show the moisture distribution within the material at every depth level the pins are driven to. The ability to measure a moisture gradient is one of the main reasons for our customers to use the electrode E12, even though the Ligno-VersaTec by itself can take moisture measurements at two depth levels 1/4" and 3/4" deep in pinless mode.

Wood: Taking numerous readings as pins are inserted, indicate if a moisture gradient exists or if the wood is dry throughout the core. Making sure wood is evenly dried is the best assurance for quality wood products. The thicker the wood, the more important core readings become. When inspecting wood floors, using the E12 gives you a tool to assess moisture distribution through floor planks into the sub floor without having to remove any floor planks. No other tool can achieve the same measuring accuracy at a defined depth.

Restoration: The moisture in structural components even behind wall coverings can be checked with the electrode E12. When assessing water damage, the pins of the E12 can be driven to different depth levels and thus indicate how far water has been absorbed or if there is still residual moisture inside the structure after drying. Insulated pins can measure dry material behind wet surfaces.

We recommend adding the electrode E14-V (Package V24-M), if the round head of the E12 cannot reach the area to be measured or you need to measure deeper than 2".



Multi-function meter with Electrode E12 for **depth measurements**.

No matter which function you use, the Ligno-VersaTec gives superior results.



Slide-hammer to pin-point moisture distribution from surface to core.

For quality control, for restoration jobs, when installing, inspecting floors.



Pinless mode: fast and easy moisture checking of lumber, flat boards and tile, drywall, etc. Domestic and tropical woods, wood floors, engineered products, bamboo.

Meter Specifications

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

Measuring Range:

- Wood: 5-99% (pin)
- Gypsum, Sheetrock, Wall Boards: 0-7%
- Reference Scale: 0-99

Display: Resolution: 0.1% for all values

Species Corrections

over 170 settings to correct for:

- domestic and tropical wood species
 - bamboos, vertical, horizontal and strand
 - OSB and wood-based panel products
 - gypsum, drywall, wall boards interior, exterior, and water resistant (%)
- 3 Reference Scale for building materials including concrete

Operation: Working with the Ligno-VersaTec is simple with clearly marked push buttons. Meter fits comfortable in your hand for pin and pinless readings.

Functions:

Push SET repeatedly to dial settings for species, wood temperature and measuring depth.

Change settings with up and down keys.

Push READ to obtain moisture measurements.

Instrument stays on for 3 minutes, then turns itself off.

At any time you can change from pin mode to scan mode by depressing up or down button

When the RH BluePeg is connected, the meter automatically switches to RH mode. No further set-up is necessary.

HOLD function is available for measuring in places, where the display cannot be seen or when taking photos of the display.

Display shows moisture percentage, wood species, wood temperature (only pin) and depth settings (only pinless).

Electrode E12 Specifications

Weight 3.5 lbs. Length without pins 12".

A cable connector (BNC) is mounted at the head of the electrode.

A BNC cable (3ft) to connect electrode E12 to Ligno-VersaTec is included in the VPP-M

E12 pins are teflon coated to only measure at the tip and come in three options:

- DZ Pins insulated, measuring depth 1"
- DA Pins insulated, measuring depth 1.5"
- DB Pins insulated, measuring depth 2"

1 pair DZ pins and 1 pair DA pins are included in the package. DB Pins are not included.

Package Includes

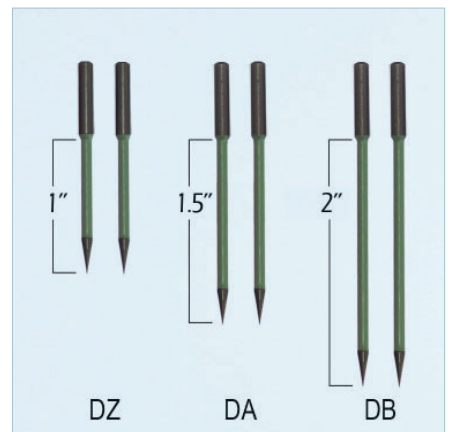
- 1 Ligno-VersaTec meter with 9V battery, laminated wood group card, instruction manual and built in connector for assortment of external electrodes and in-kiln probes (with Adapter H)
- 1 Slide-hammer electrode E12, 1 pair pins DZ 1" and 1 pair pins DA 1.5", teflon-coated
- 1 BNC cable for E12
- 1 Case M



The electrode E12 has a slide hammer to insert and extract pins easily. For measurements up to 2" deep.



Teflon coated pins measure only at the tip. The E12 is the only tool to measure moisture at a defined depth.



Pins for E12: DZ, DA, DB pins can only be used with the Electrode E12. DB pins need to be ordered separately, not included in package.