

Package K2-M

Applications

For measuring moisture when accuracy and reliability count. Lumber mills and furniture manufacturers use the meter to make sure QC requirements are followed. Floor installers and inspectors use the Lignometer K with depth electrode to measure subfloors without removing floor planks. In the restoration industry dry materials can be measured behind a wet surface. Can also be used to measure non-wood materials: textiles, vinyl, carpets, insulation, plastics, concrete, brick and tile.

Advantages

Lignometer K features Lignomat's most advanced pin measuring technology with a wide moisture range, over 150 correction settings and built-in wood temperature corrections for hot and cold lumber. Delivers outstanding reliability, great measuring accuracy and stable calibrations for all measurements.

Electrode E12 measures moisture from surface to core with insulated pins up to 2" deep. Slide-hammer electrode allows taking consecutive readings to determine the moisture distribution within the material. Measuring depth of 2" allows checking timbers, beams, thick slabs, structural lumber and floors and subfloors without removing floor planks.

Description

The K2-M package uses the slide-hammer electrode E12 to detect high, low or uneven moisture in wood and a great variety of other materials. The E12 electrode is added for in-depth measurements to determine true moisture levels from surface to core up to 2" deep with insulated pins, even behind wet surfaces.

The **Lignometer K** incorporates reliability, calibration accuracy and ease-of-operation with individual wood species corrections, a wide measuring range 5-99% and built-in wood temperature corrections. Unsurpassed accuracy is guaranteed even in the critical range below 8%. The Lignometer K has proven to perform well in rough mill environments with day-to-day usage. A BNC connectors for pin electrodes and for in-kiln, extension cables (with Adapter H) is installed in the top of the meter.

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.

Lumber: Using the slide-hammer electrode E12 is the industry standard when drying lumber. It is important to be able to measure surface and core moisture at any stage of the drying process to avoid degrade during drying and to find out when the wood is evenly dried at the end of the kiln charge.

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.



Package K2-M: Pin meter with Electrode E12 for **core measurements**. The Lignometer K is accurate, reliable and easy-to-use.



Slide-hammer to pin-point moisture distribution from surface to core. For quality control, for restoration jobs, when installing, inspecting floors.



The electrode E12 has a slide hammer to insert and extract pins easily.

Lignometer K Specifications

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

BNC connector for an assortment of external electrodes and in-kiln probes

Measuring Range:

- Wood: 5-99%
- Gypsum, Sheetrock, Wall Boards: 0-22%
- Reference Scale: 0-99

Display: Resolution: 0.1% below 10% and 1% steps above 10%, life-time warranty

Wood Temperature Corrections: 0°F to 210 °F or -15°C to 95°C

Species Corrections

over 150 settings to correct for:

- domestic and tropical wood species
 - bamboos, vertical, horizontal and strand
 - laminates and wood-based panel products
- 4 Scales for gypsum, drywall, wall boards (0-7.5%)
1 Reference Scale for building materials, for identification of moisture levels in Search and Compare Mode

Calibration: Stable calibrations not affected by ambient temperatures. The calibration is internally checked by the meter before each reading and if necessary automatically adjusted. We offer an external calibration check block to verify calibration and check function of meter, cable and electrode.

Electrode E12 Specifications

Weight 3.5 lbs. Length without pins 12". Teflon coated to read only at the tip. The slide hammer is moved up and down to drive the pins in and out of the wood.

The electrode E12 can be connected to Ligno-VersaTec, Lignometer K and mini-Ligno MD/C, mini-Ligno S/DC, mini-Ligno DX/C.

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

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

- DZ Pins insulated, measuring depth 1"
- DA Pins insulated, measuring depth 1.5"
- DB Pins insulated, measuring depth 2" (order separately, **not included** in Pkg. K2-M)

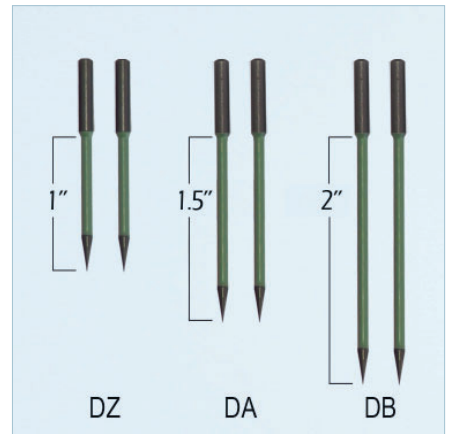
Package Includes

- 1 Lignometer K meter with BNC connector for an assortment of external electrodes and in-kiln probes
- 1 9V battery
- 1 laminated wood group card and 1 instruction manual

- 1 BNC Cable 3ft (1m) optional available 6ft (2m)
- 1 slide-hammer electrode E12 with BNC connector
- 2 pair pins: 1 pair 1" DA pins and 1 pair 1.5" DZ pins
- 1 hardshell carrying case.M



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, pins can only be used with the Electrode E12. Insulated pins measure only at the tip. DB pins need to be ordered separately.