

# Package K6-S

## Applications

Used for measuring hard building materials, concrete, brick, tile, stone, grout, etc. For deep measurements the teflon-coated EL pins can be added.

## Advantages

The Lignometer K is Lignomat's most advanced pin meter with the widest moisture range and individual correction settings for domestic and tropical wood species, wood composite panels and drywall as well as reference scales to measure concrete, brick, stone, etc. laminates. Reliable, accurate and sturdy.

The advantage of the Electrode E16 are the two separate, single pin posts. This makes it easier than using a one-piece electrode to insert pins into hard materials and hard-to-reach areas. Using the E16 gives instant results when measuring moisture levels in concrete.

## Description

The package consist of the Lignometer K and the E16 pin electrode in a hardshell carrying case. Measuring concrete and other hard building materials with the E16 electrode gives instant results.

## Lignometer K

The Lignometer K is the most advanced pin meter among all of Lignomat's moisture meters. Features are the wide measuring range and more than 170 correction settings for measuring domestic and tropical wood species, panel products, bamboo, gypsum and different types of wall boards. Relative scales are included for concrete, cementitious materials, plastics, insulation.

The **electrode E16** consists of two separate posts. Each post is 2" long with a ball head. The cable is connected through a hole in the post using a 4mm banana plug. The bottom of the posts have threads for the pins. An assortment of pins is available with lengths from 3/16" to 7" (Pins EG, EL and EC, EA, EV). Tapping on top of the ball head with a mallet or hammer will drive pins into the material. Pre-drilling holes maybe required for deeper measurements.

We recommend a distance of 4" (10cm) between the pins for measuring cementitious materials including concrete. Cementitious materials have a low electrical resistance compared to wood and tend to give high values, therefore changing the distance allows a wider moisture range.

Measurements obtained from concrete or cementitious materials are not true percent values. They only can be used as reference numbers or comparative readings. Comparative measurements become meaningful, when a dry sample piece of the material is available. Measurements can then be compared to the moisture value for dry

Using the Lignometer K with the Electrode E16 gives immediate results when measuring concrete. The measurements can show areas of high and low moisture. If measurements are taken with the EL pins at different depth levels, the moisture profile of the slab becomes obvious. However, it cannot replace the in-situ probe test or the Calcium-Chloride test which allow to determine, if a wood floor can be installed.



Lignometer K with multiple settings for wood and building materials.

Electrode E16 for measuring soft and hard building materials, incl. concrete.



Hard-to-reach areas can be easily measured when adding the long EL pins. Reaching through insulation and wall boards.



Electrode E16 allows wide distance between probes to allow for measuring cementitious materials incl. concrete.

## 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 comfortably in your hand for pin and pinless readings.

### Functions:

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

Change settings with up and down keys.

Push READ to obtain moisture measurements.

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

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.

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## Electrode E16 Specifications

Electrode E16 consists of 2 posts. Each probe comes with EC pin and hole for 4mm connector. BNC-E16 cable makes the connection to the Ligno-VersaTec.

Available pins for E16:

EG pins teflon coated, measuring depth 3/4"

EL pins teflon coated, measuring depth 7"

EC 5/8", EA 7/16", EV 3/16", un-coated

EC pins are included in package V6-S.

The teflon-coated pins EG and EL measure only at the tip.

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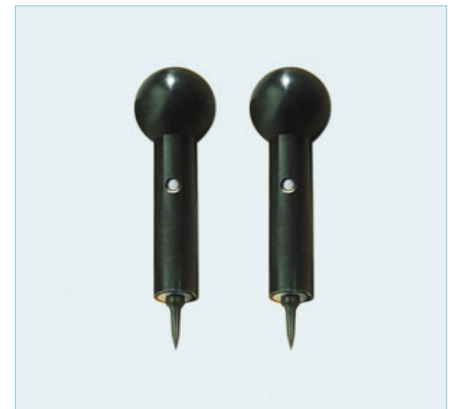
## Package Includes

- 1 Lignometer K with 9V battery, laminated wood group card, instruction manual and built in BNC connector for external electrodes including E16
- 1 Specialty electrode E16 with 1 pair EC pins
- 1 BNC-E16 cable to connect electrode E16 to Lignometer K moisture meter
- 1 Case S

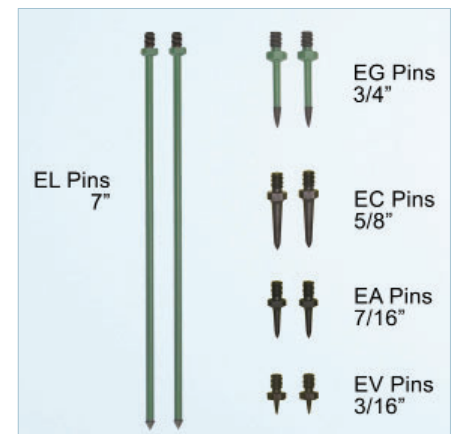


Large display indicates moisture value, wood species and wood temperature settings.

User-friendly, accurate, reliable, sturdy.



Electrode E16 for hard bldg materials and cement-based panels



Selection of Pins for E16:  
EG, EL, EA, EC, EV