

Package K-11

Description

The K-11M package includes the PK probe/cable system to monitor places that would otherwise be unreachable.

Applications

Whenever moisture should be measured, but the location cannot be reached with hand probe attachments. PK probe and cable systems are often used in lumber drying – for all sizes and types of dry kilns – from solar to conventional steam kilns. – also used to monitor studs in a crawl space or structural lumber in a roof.

Advantages

The Lignometer K is Lignomat's most advanced pin meter with multiple wood species and material corrections and wood temperature corrections. The meter also has reference scales for concrete, laminates, plastics and other non-wood materials. Reliable, accurate and sturdy.

PK probes and cables allow monitoring hard-to-reach areas.

- When used during kiln drying, nobody has to enter a hot kiln and the center of the load can be monitored to avoid over drying and under drying.
- For monitoring logs, lumber, laminated beams, structural elements in buildings, crawl spaces, attics, roofs, restoration projects, research projects.

Electrode E12 can be added to allow accurate surface and core measurements with insulated pins.

The **Lignometer K** incorporates reliability, calibration accuracy and ease-of-operation with over 150 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.

PK probes and cables have been used to measure moisture inside a dry kiln for over 50 years. To this day, the same PK probes are used with Lignomat's dry kiln control systems for small and large, industrial kilns.

If multiple probes and cables are used, kiln performance can be checked by distributing the cables in top, bottom, sides and middle of the kiln. Cables can be custom-cut upon request, standard 6ft.

All PK probes have a hole in the head for pushing a 4mm banana plug through. This is a fail-proof connection. The probes have teflon-coated shanks measuring at the core not affected by surface moisture. Probes are inserted into pre-drilled holes and are set and removed properly with the Pulling Tool.

All PK probes are made out of stainless steel to withstand the harsh conditions in a kiln. They can be re-used for many drying cycles. Using pulling tool will help to set and remove probes without any damage.

PK probes can be used in many materials other than wood, such as concrete, brick, tile, roofing. They monitor changes in moisture content at the depth where the tips of the probes are placed. PK probes and Cables can be used with:

- handheld moisture meters,
- angle connector and switchbox,
- MC Tracker data logger
- wireless transmitters.



Lignometer K with extension cables for depth measurements.

From lumber drying to monitoring critical areas in the building envelope.



Place probes in the kiln, read moisture outside without opening a hot kiln. Multiple probes allow monitoring different areas in a kiln.



PK probes: Measure the core of the wood with teflonized probes.

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.

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).

PK probes can be used in many materials other than wood, such as concrete, brick, tile, roofing. They monitor changes in moisture content at the depth where the tips of the probes are placed. Pulling tool helps to insert and remove PK probes properly.

PKA: measuring depth 1/2" (1.2cm) 4/4 lumber

PKB: measuring depth 3/4" (1.9cm) 6/4 lumber

PKC: measuring depth 1" (2.5cm) 8/4 lumber

PKD: measuring depth 1 1/2" (3.8cm) 12/4 lumber

PKE: measuring depth 2 3/4" (7cm)

Measurements from PK probes can be obtained with

- handheld moisture meters (Lignometer K or Ligno-VersaTec)
- MC Tracker data logger
- wireless transmitters

Options:

Add EMC holder, angle connector and LP-H cable to measure EMC (relative humidity) inside a dry kiln, in your warehouse, manufacturing place, etc.

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 pair PKB probes

1 PK-H cable

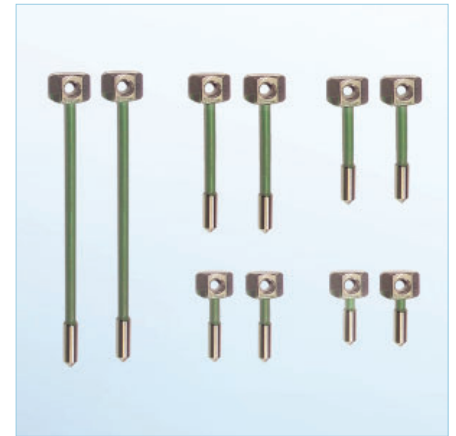
1 adapter H

1 Case M

Add depth electrode E12 to take measurements in wood anywhere, anytime. Package K2-11M.



At any time, the Lignometer K can be used with the electrode E12 for spot-checking moisture conditions.



Assortment of PK probes for a measuring depth of 1/2" to 2 3/4" deep.

V2-11M package comes with PKB probes, work for 4/4 and 6/4 lumber.



Pulling tool fits over PK probe head. Assures placement and removal without damage to the probes. Must be ordered separately.