

# Package D-11

## Applications

PK probe and cable system used in lumber drying – for all sizes and types of dry kilns – from solar to conventional steam kilns. Whenever moisture should be measured, but the location cannot be reached with pins at the mini-Ligno or hand probes.

## Advantages

The mini-Ligno DX/C is our most versatile pocket-size meter. It comes with a wide measuring range for green, air-dried and kiln-dried lumber and multiple settings to correct for domestic and tropical wood species. Also programmed are corrections for drywall and exterior, interior wall boards and cementitious materials.

- Measuring moisture in the center of a kiln charge gives representative results of the drying progress and allows determining the time when the lumber is dry and the kiln ready to unload.
- An inexpensive way to monitor structural wood in critical areas of the building envelope, crawl spaces, attics, roofs, wall studs...

## Description

The PK probe and cable system is designed to monitor places that would be otherwise unreachable. For example, the middle of a lumber charge in a hot dry kiln, studs in a crawl space or structural lumber in a roof...

**mini-Ligno DX/C:** The moisture meter of your choice, the mini-Ligno DX/C is the most advanced among the mini-Lignos. It comes with pins and a connector built-in for external electrodes or in-kiln cables. Features are the wide measuring range and 46 correction settings built-in for measuring domestic and tropical wood species, gypsum and different types of wall boards, bamboo and panel products.

**PK probes and cables** have been used to measure lumber inside dry kilns for over 50 years. PK probes are still 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 sections of the kiln. Cables are standard 6ft long, but can be custom-cut upon request up to 25 ft long.

All probes have a hole in the head for pushing a 4 mm banana plug through. This is a fail-proof connection. The probes have teflon-coated shanks, which insure that moisture is measured where the tip of the PK probe is and measurements are not affected by surface moisture. Probes are inserted into pre-drilled holes and are set and removed correctly 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 the pulling tool will help to set and remove probes without any damage.

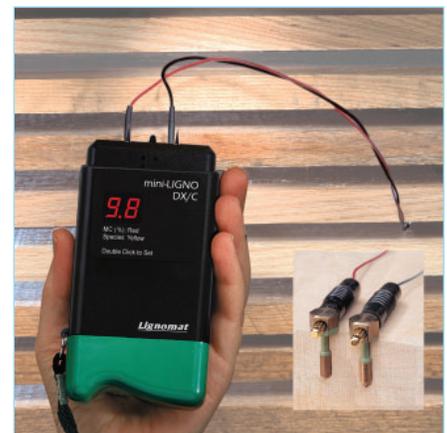
PK probes can be used in many materials other than wood, such as concrete, brick, tile, roofing. They monitor changes in moisture content at the depth where the tips of the probes are placed. PKB probes are standard with D-11 Package.

## PK Probe Specifications:

- 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)



Pin meter mini-Ligno DX/C with extension cable for remote measuring. 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.



Bright LED display for optimum visibility. Display has a life-time warranty. Quality, performance and price have made mini-Lignos very popular.

Measurements from PK probes can be obtained with handheld moisture meters and data loggers:

Lignometer K or Ligno-VersaTec  
mini-Ligno MD/C, S/DC, DX/C  
MC Tracker data logger  
wireless transmitters

### Meter Specifications DX/C

Size: 5.5"L X 2.75"W X 1"H

Measuring Range:

- Wood: 5-65%
- Gypsum, Sheetrock, Wall Boards: 0-7.5%
- Reference Scale: 0-99

Display: Resolution: 0.1% below 10% and 1% steps above 10%, life-time warranty  
Calibrated for a wood temp of 70°F (20°C).

A correction table for different wood temperatures is listed in the manual.

### Species Corrections

42 settings to correct for:

- domestic and tropical wood species
- bamboos, vertical, horizontal and strand
- laminates and wood-based panel products

3 Scales for gypsum, drywall, wall boards (%)

1 Reference Scale for building materials, for identification  
of moisture levels in Search and Compare Mode

### Package Includes

1 mini-Ligno DX/C meter with wrist strap in carrying pouch with belt loop, 1 9V battery

1 laminated wood group card and 1 instruction manual

2 pair pins: 1 pair of 3/16" and 1 pair of 7/16" measuring depth (5mm, 10mm)

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

1 pair PKB probes

1 PK-mini cable



D-11 package comes with PKB probes, works for 4/4 and 6/4 lumber



PK Probes from 1/2" to 2 3/4" measuring depth.



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