

# Package S-11

## Applications

This is the most simple solution when you need to check if moisture has been absorbed by structural components in the building envelop over an extended period of time. Moisture can be measured, without having to climb up ladders or squeeze into a crawl space,

For testing in a lab environment, the probe and cable system allows for measuring sealed off or hard to reach areas without disturbing the test site.

When used to measure inside a dry-kiln, the mini-Ligno S/DC has a wider range (6-45%) than the mini-Ligno MD/C (6-25%)

## Advantages

Double usage of your handheld meter. You can take moisture measurements with the built-in pins at the handheld meter and you can connect the cable to the meter at any time to measure moisture in the location to be monitored. An inexpensive way to measure and monitor areas after water damage repair to make sure the problem has been fixed. Cables can be up to 50 ft long.

## Description

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

The **mini-Ligno S/DC** is a perfect meter for the construction, restoration and building maintenance professional. It comes with pins and a connection for external electrodes and monitor cables. Features are the wide measuring range and corrections for measuring softwood, hardwood and panel products, gypsum and different types of wall boards and a reference scale for concrete and other building materials.

**For wood:** The integral pins at the mini-Ligno measure 7/16" deep. When measuring thicker lumber, you can make a fresh cut and measure the end grain to reach the core. If it is not feasible to cut the wood, you can use the electrode E12 for depth measurements.

**For building materials:** The pins on the meter work well in soft materials such as drywall for a depth of 7/16". If corners and tight places cannot be reached with the integral meter pins, use the electrode E14-m or E16, whichever is more convenient. Add EL pins for measuring in-depth up to 7" deep.

**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.

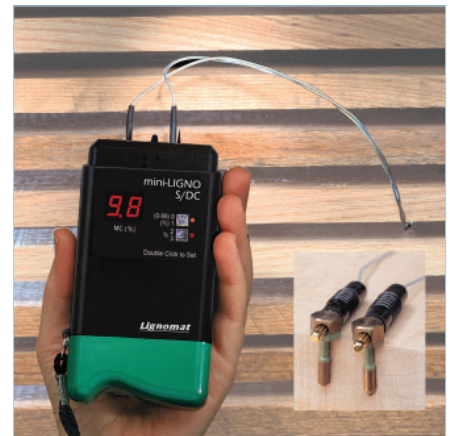
All probes have a hole in the head for pushing a 4 mm banana plug through. This is a fail-proof connection. The probes have teflon-coated shanks, which insure that moisture is measured where the tip of the PK probe is and measurements are not affected by surface moisture. Probes are inserted into pre-drilled 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 S-11 Package.



Pin meter mini-Ligno S/DC 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.

## Probe Specifications PKA-PKE:

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 and data loggers:

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

## Meter Specifications S/DC

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

Measuring Range:

- Wood: 6-45%
- 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

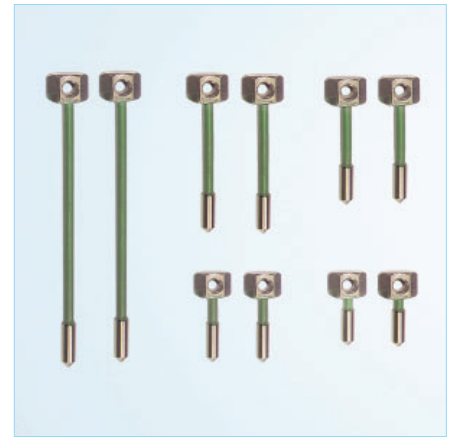
- 2 settings for wood species corrections: hardwoods, softwoods and panel products
- 3 Settings for gypsum, drywall and wall boards (water resistant, exterior, interior)
- 1 reference scale 0-99 for non-wood building materials (concrete)

## Package Includes

1 mini-Ligno S/DC 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



S-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.