

# Package S6-P

## Applications

For floor installation, inspection and restoration projects, building maintenance and home repair work. Adding the Electrode E16 with 2 different posts allows measuring moisture in concrete and other materials from the top to 7" deep. E16 with long pins can find moisture up to 7".

When the integral pins of the mini-Ligno S/DC are not reaching the areas to be measured or the material is too hard for the pins to be pushed in by hand (concrete).

## Advantages

The **mini-Ligno S/DC** moisture meter measures hardwoods, softwoods and panel products and has percent scales for drywall, exterior and interior wall boards and a reference scale for concrete and other building materials (with E16) .

**Electrode E16** used to measure concrete and other hard to measure materials or oddly shaped objects, where the distance between the measuring pins needs to be either closer or further apart. Also for depth measurements up to 7". With the E16 you get instant results when measuring moisture levels in concrete.

## Description

The moisture meter of your choice, **mini-Ligno S/DC** comes with pins and a connector built-in for external electrodes and monitor cables. Features are the wide measuring range and corrections for 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. If it is not feasible to cut the wood, you can add the electrode E12 for depth measurements.

For building materials: The pins on the meter work well in soft materials such as drywall to a depth of 7/16". If corners and tight places cannot be reached with the integral meter pins, the electrode E16 can be used for measurements up to 7" deep. (Add-on EL pins).

The **electrode E16** consists of two 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.

We recommend a distance of 4" (10cm) between the pins for measuring cementitious materials including concrete. Cementitious materials 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 (wet) sample piece of the material is available. Measurements can then be compared to the moisture value for dry (wet).

Using the mini-Ligno S/DC 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.

Using an external electrode allows you to keep the meter display visible in front of you. Measuring ceilings, walls or floors with the meter itself can make it impossible to read the numbers on the display.



mini-Ligno S/DC 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.



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

## Meter Specifications

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



Electrode E16 for hard bldg materials and cement-based panels for  
- mini-Ligno C' models

## Electrode E16 Specifications

Electrode E16 consists of 2 posts. Each post comes with EC pin and hole for 4mm connector.

mini-E16 cable makes the connection to the mini-Ligno C model..

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

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



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

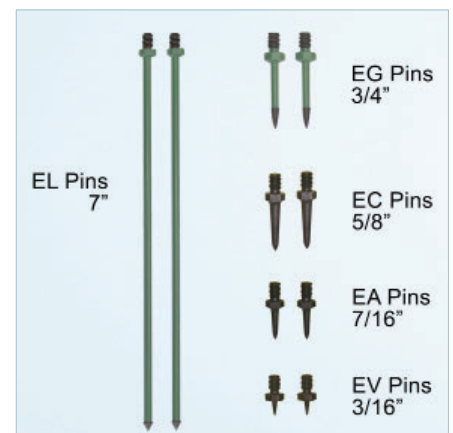
Built in connector for an assortment of external electrodes and in-kiln probes

1 Electrode E16

1 mini-E16 cable

1 pair EC Pins, 3/4" measuring depth 5/8"

1 pouch (optional)



Selection of Pins for E16:  
coated EG 3/4" and EL 7"