

Package D-10

Description

Package consists of a pin meter to measure wood and building materials and sets of extension cables with screws to monitor.

Applications

Package D-10 allows instant measurements spot-by-spot with pins at the meter and monitoring of remote, hard to reach areas with extension cables. Works for short-term and long-term monitoring. Add EL pins to reach up to 7" deep.

Too much moisture, undetected for a prolonged time can cause severe damage in a building. Detection is the first step in prevention.

Advantages

The DX/C moisture meter has a wide moisture range and multiple correction settings for domestic and tropical wood species (great for hardwood floors), different types of drywall and a reference scale for other building materials including concrete.

Cables, screws and pins make it easy to monitor water remediation jobs, check for leaks or monitor wood floors, sub floors and other moisture sensitive areas. Once cables are installed, the meter can be connected any time. Changes in moisture content become obvious, since measurements are taken from the same spot at the same depth.

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 extension cables for monitoring. Features are the wide measuring range and 46 correction settings built-in for measuring domestic and tropical wood species, making this meter a good choice when you accurately want to measure wood floors. In addition gypsum and different types of wall boards, bamboo and panel products and a reference scale for building materials such as concrete are also included.

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 add 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, add the electrode E14-m or E16, whichever is more convenient. Add EL pins for measuring in-depth up to 7" deep.

Easiest monitoring of moisture problem areas

Leaky roofs, wet crawl spaces, faulty installed windows, broken pipes, a cracked waterline behind a refrigerator can be a cause for moisture problems that affect the entire building. Unnoticed moisture infiltration can have severe consequences, floors are ruined, dry rot develops and structural components disintegrate.

Monitoring: Using extension cables has the advantage, that areas can be monitored, which are out of easy reach when a building is being dried out or totally inaccessible after the walls are closed up. System works well for short and long-term monitoring in buildings. Measurements taken from the same spot at the same depth at different times will produce a series of truly comparable moisture percentages. The values show, if drying is proceeded as expected or if a new problem is occurring.

Pins (screws) are installed in the trouble spot and connected to a LP-mini cable. When using screws, the meter indicates the highest moisture value in the measured area between the screws. That could be at the surface or at the depth the screws have been set, because un-coated screws measure the wettest spot. Teflon-coated pins only measure at the tip, They will indicate a dry inside even if the surface is wet. See pins page 3.



Detection is the first step in Prevention. Cable/pin system allows checking for moisture accumulations in closed-up, unreachable areas.



Install cables and pins in moisture critical areas. Measure periodically to check, if moisture problems are back.



mini-Ligno DX/C is set for multiple tropical and domestic wood species. For flooring jobs.

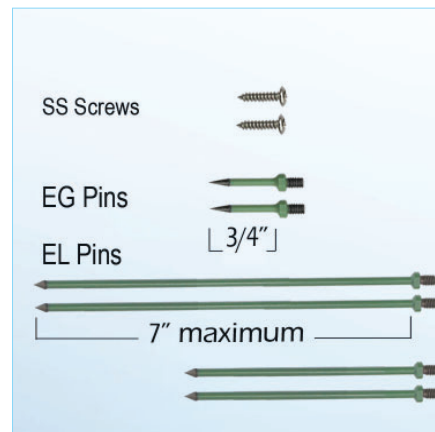
Standard cable length is 3 ft, upon request we supply cables up to 50ft long. Cables should be ordered long enough to keep the open cable-end in an easily accessible area. Measurements are taken by plugging the open cable-end into the meter. If cables are already installed to monitor the drying-out process, they could be left in place for long-term monitoring.

For **data logging** moisture and humidity:

- for moisture content and relative humidity MC Tracker BL2 data logger
- wireless recording system
- for relative humidity only BL2 data logger

An assortment of pins is available:

- off-the-shelf, stainless steel screws 1/2" to any depth needed.
 - EG pins, teflon-coated 3/4"
 - EL pins, teflon-coated 7", upon request EL pins can be shortened
- Hardware to connect screws/pins to LP-mini cables is included upon request.



EL pins can be ordered for any length between 7" and 1/2"

The **LP-mini cable** has loops on one end for the pins and screws and 2mm plugs on the other end to fit the mini-Ligno DX/C. The cables in the package have a standard length of 3 ft. Longer cables are available upon request. If you wanted to use the PK probes for wood, order the D-11 package.

.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 Mod



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

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 extension cables
- 1 pair stainless steel screws
- 1 LP-mini cable
- 1 case M

Optional Add-Ons

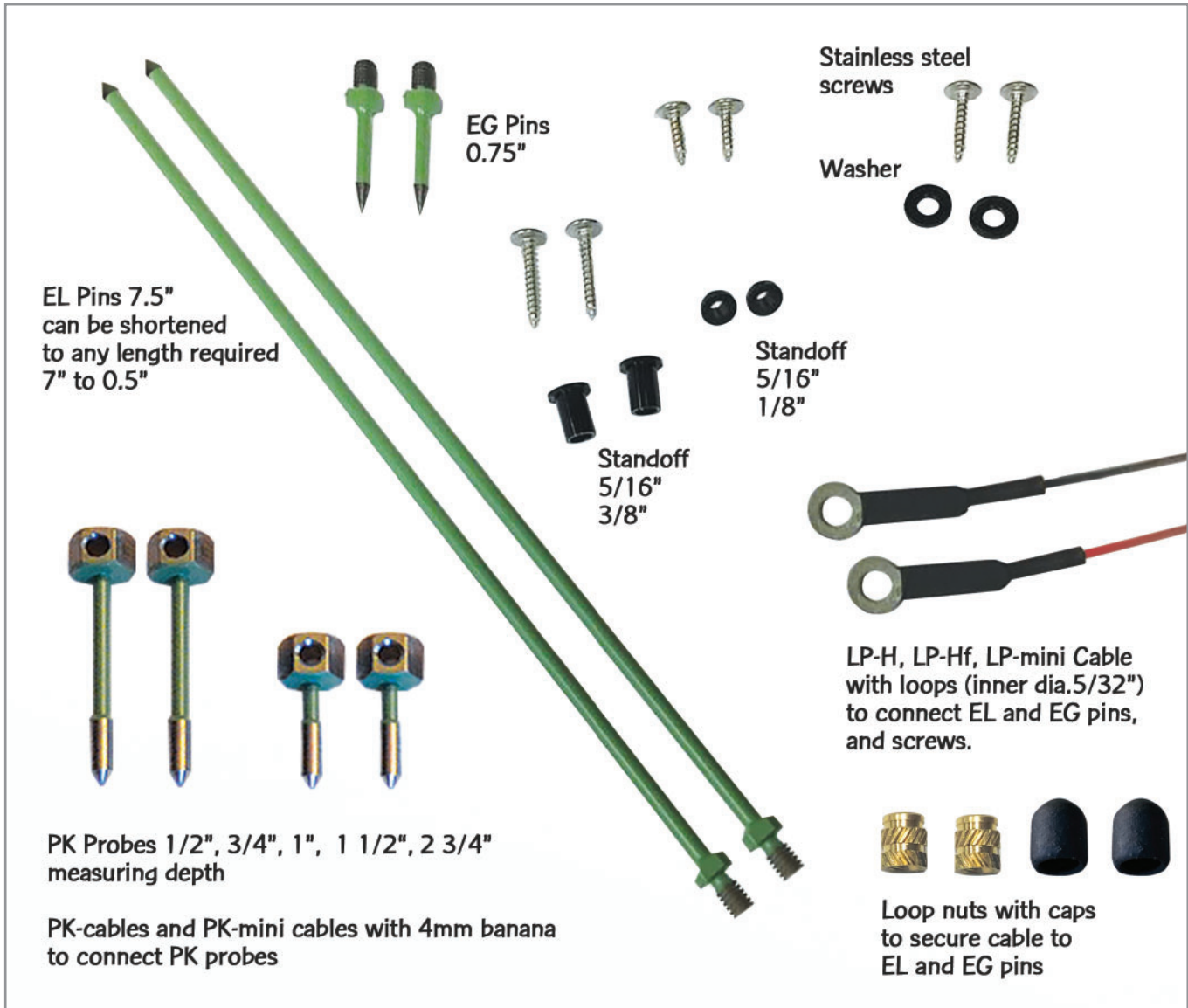
- EL Pins insulated, measuring depth 7"
- EG Pins insulated, measuring depth 3/4"



Add the electrode E14-m, the most convenient and efficient hand probe to check problem areas,



PK probes, EL pins, EG pins and screws
to monitor moisture conditions with
moisture meters, data loggers and wireless transmitters.



To connect EL and EG pins and stainless steel screws:

LP-H cable with loops and 4mm plugs connects to Ligno-VersaTec and Lignometer K via Adapter H.
LP-Hf cable with loops and 4mm jacks connects to MC transmitter (transmitter wires have 4mm plugs).
LP-mini-cable with loops and 2mm plugs connects to mini-Ligno DX/C, S/DC, MD/C and MC Tracker.

Loop nuts need to be ordered separately for EG and EL pins.

EL pins can be shortened to any length between 7" and 1/2" long.

To connect PK probes:

PK-H cable with 4mm plugs on both ends connects to Ligno-VersaTec and Lignometer K via Adapter H
PK-mini cable with 4mm and 2mm plugs connects to mini-Ligno DX/C, S/DC, MD/C and MC Tracker.