

Ligno-Scanner SDM - pinless, dual-depth Moisture Meter

Description:

The Ligno-Scanner SDM is a non-invasive, dual-depth moisture meter for wood and building materials. The Ligno-Scanner SDM provides precise moisture percentages for a wide variety of wood species and other materials, but the meter can also be used for quick-scanning areas for high and low moisture levels.

The meter gives true moisture percentages for domestic and tropical wood species, OSB, sub floors, engineered floors, bamboo and gypsum (sheetrock wall board). Other building materials are checked with reference scales tailored to the products to be measured: wood composites, laminated panels, vinyl, textile, lightweight building materials and heavy building materials such as concrete, tile, stone, etc..

Lignomat's **unique pinless measuring technology** assures calibration accuracy, reliability and dual-depth measuring capability. In addition to correction settings for different wood species, Lignomat developed a special set of calibrations different from wood calibrations to fit solid and engineered bamboo floors.

The meter has reference scales for concrete and other building materials. Reference scales are used in restoration and the building industry to quickly detect different moisture levels. Before performing in-situ probe testing in concrete, pinless measurements can find areas of high moisture levels where in-situ probes should be set. However, it is not the proper method to determine if a concrete slab is dry enough for resilient floor coverings to be installed. For more information go to the NWFA Installation Guidelines. For use of pinless meters see ASTM F2659.

Another pinless advantage: Ligno-Scanners measure lower moisture contents than pin meters. That is a great advantage for the flooring industry in areas with low relative humidity and high-desert climate zones.

Calibration Stability: The Ligno-Scanner SDM has proven to be a trustworthy meter, which produces the same accurate moisture percentages today, tomorrow and in a year due to internal calibration checks. The calibration is checked before each measurement and if necessary, automatically adjusted. These "background checks" before measurements assure calibration consistency for Lignomat's pinless meters. Manual recalibration by the customer is not necessary. To confirm calibration and functionality of the meter, Lignomat offers the external calibration check block TS for all pinless meters from Lignomat.

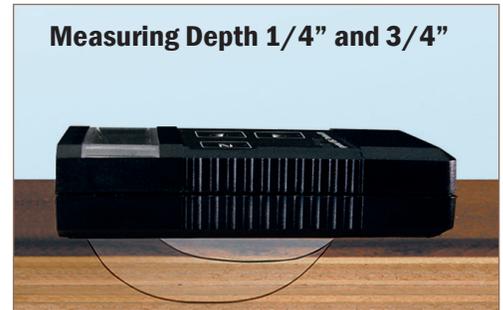
Measuring Depth Matters: Lignomat's dual-depth meters are more accurate, because of the ability to choose the measuring depth according to the thickness of the material to be measured. No false readings.

- Measuring products less than 3/4" thick: Many panel and floor products are less than 3/4" thick. These panels can be measured accurately with the 1/4" depth. For example: When 5/8" floor planks are installed and you measure 3/4" deep, you cannot be sure that the subfloor or concrete underneath is not affecting the readings. You definitely only measure the floor planks with the 1/4" depth setting.
- Measuring engineered products: You can find the true moisture content of the top layer made from hardwood by using the corresponding species setting and 1/4" depth. Using those results, a setting can be found for the entire floor plank.
- 1/4" depth setting allows for checking dryness of waterborne finishes. Works great for veneer or for measuring moisture close to the surface.
- Many building materials including drywall are quickly scanned with the 1/4" depth setting. The shallow measuring depth assures that the material behind the drywall is not included in the measuring field and cannot produce false high values.

See next page for summary pinless meters, consider Ligno-DuoTec BW or Ligno-VersaTec.



Measuring Depth 1/4" and 3/4"



A favorite meter for floor applications with correction settings for domestic and tropical wood species, bamboo and subfloors. Can be self-calibrated for engineered products.



The Ligno-Scanner SDM is the perfect meter for the restoration specialist. In the photo, the SDM is used to check what needs to be removed in a moldy shower.



Specifications are subject to change without notice.

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Features:

- Built-in corrections for different wood species, bamboo and other composite materials
- 3 Reference scales for concrete and other building materials
- 3 Percent scales for drywall (sheetrock): ultra-light, water-resistant, glass-mat wall board
- Dual-depth pinless measurements
- Temperature stable circuitry with built-in calibration check
- Hold function and automatic shut off
- Large LCD display
- Durable rugged design and easy operation
- 2 year warranty for meter (batteries excluded)
- 1 year warranty for accessories

Item #SDM includes:

- 1 Ligno-Scanner SDM meter in pouch with belt loop
- 1 9V battery
- 1 laminated wood species correction card and 1 manual
- 2 year warranty for meter (excluding battery)

Specifications for Ligno-Scanner SDM Pinless Mode:

Size: 4.75"L X 2.5"W X 1"H, 12 x 6 x 2.5 cm, 1 9-V battery included
 Size of measuring pads: 1 5/8" by 2 5/8", 4.2 by 6.8cm

Wood Species Settings: 71 individual settings for wood species, OSB, AdvanTec and other subfloors, panel products, etc.
 Wood Species Corrections can be set according to the Specific Gravity: 0.3-1.0 (#30-#100)

Gypsum Setting: 1 calibration for standard drywall or reference scale for comparative reading

Bamboo Settings: 11 settings for vertical, horizontal, strand and engineered bamboo floors.
 Lignomat developed a unique set of calibrations different from any wood calibration to fit different types of solid and engineered bamboo floors.

Reference scales: - for panels made out of wood and laminated products, textile, etc
 - for light-weight building materials other than drywall and gypsum
 - for concrete and similar building materials, brick, stone, tile, etc.

Measuring Range: Wood: 5*-60% dependent upon wood species setting:
 - Less accurate above fiber saturation point at 25%
 - Measures lower moisture than 5%
 Gypsum: 0-2%
 Reference scales 0-99

Measuring Depth: 1/4" (7mm) and 3/4" (20mm)
 Resolution: 0.1% for entire range



Lignomat's dual-depth scan meters have become the go-to meter in the flooring industry.



The ideal meter to scan a large number of boards quickly and easily.



Building materials including concrete can be measured with one of the reference scales available in the Ligno-Scanner SDM. See ASTM F2659.

| Summary of all Pinless Meters | Item | Depth 1/4" | Depth 3/4" | Bamboo | Gypsum Sheetrock | Concrete Pinless Mode | Reference Scales | RH In-Situ Concrete | Pin Mode |
|-------------------------------|------------|------------|------------|--------|------------------|-----------------------|------------------|---------------------|----------|
| | | | | | | | | | |
| Ligno-Scanner S | S | ✓ | | | | | | | |
| Ligno-Scanner D | D | | ✓ | | | | | | |
| Ligno-Scanner SD | SD | ✓ | ✓ | | | | | | |
| Ligno-Scanner SDM | SDM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Ligno-DuoTec BW | BW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Ligno-VersaTec | V-0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



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