

Ligno-DuoTec BW

Description:

The Ligno-DuoTec BW is a non-invasive meter for wood and building materials and a thermo-hygrometer to check air conditions and perform RH in-situ tests in concrete slabs. A great meter for contractors, inspectors and hardwood floor installers. The meter offers specific settings for

- wood, bamboo, composite wood products and engineered flooring
- concrete
- gypsum and sheetrock
- relative scale for other building materials such as ceiling tiles, ceramic tiles, etc

optional: measuring concrete with embedded probes
A great tool for Concrete Contractors and Inspectors.



Non-Invasive Moisture Meter:

For taking moisture measurements, dial the appropriate setting and place the meter on the flat surface. For wood and bamboo percentages of moisture are shown. For building materials three sensitivity levels can be selected.

A unique feature allows the user to select between 1/4" and 3/4" measuring depth. For measuring surface moisture, thin boards and veneer, the measuring depth can be restricted to 1/4" deep. For deeper readings the user can set the measuring depth to 3/4" deep. The feature allows measuring a dry surface over higher moisture deeper down.

Relative Humidity and Temperature Meter – with RH BluePeg Sensor

1. For measuring indoor air quality, the meter can be connected to the RH BluePeg sensor. Relative humidity, temperature and dew point readings are available as soon as the sensor is connected.
2. The RH BluePeg sensor can be used for measuring moisture evaporation from concrete slabs and other solid materials - even insulation. The sensor can be embedded into the material and absorbs the evaporation out of the material. The National Wood Flooring Association highly recommends the RH in-situ probe test for determining moisture in concrete slabs. Numerous manufacturers of resilient floor coverings and coatings are also recommending the RH test and give guidelines for permissible relative humidity values. ASTM F2170-02 describes the standard test method for determining relative humidity in concrete floor slabs using in-situ probes.



BW1

Standard Ligno DuoTec BW :

- 1 Ligno-DuoTec BW meter in pouch with belt loop
- 1 9V Battery
- 1 Pouch
- 1 Laminated setting chart
- 1 Manual
- 2 year warranty for meter (except battery)
- 1 year warranty for accessories

Features:

- Large LCD display
- Durable, rugged design and easy operation
- Built-in wood species corrections including bamboo
- 3 Scales for building materials
- Connector for relative humidity and temperature RH BluePeg sensor
- Dew point calculation
- Hold function
- Automatic shut off
- Temperature stable circuitry with built-in calibration check



Specifications:

Measuring depth: ¼" (7mm) and ¾" (20mm)

Measuring range for wood: 5-60% dependent upon species

Resolution of readout: 0.1%, less accurate above fiber saturation point at 30%

Corrections for wood species: 71 settings for wood, 10 settings for bamboo, relative scale for all other engineered boards and composite boards. Species corrections can also be done by entering the specific gravity of the wood between 0.3 and 1.00 (30-100).

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Sheetrock, Gypsum Scale: 0-2.0%, resolution 0.1%, gives true moisture percent readings
Dry range up to 0.6%, questionable range up to 0.9%, moist range up to 1.5%, wet range over 1.5%

Concrete Scale: 0-99 relative scale, resolution 5, based on relative humidity readings with the RH BluePeg sensor

Relative scale for all other building materials: 0-99.9, resolution 0.1%. We recommend measuring a dry sample or dry area to establish a base value for dry. As long as the composition of the material does not change, readings from different test areas can be compared with the base value.

Measuring Pad: 1 5/8" x 2 5/8" (measuring pad has to be on a flat and smooth surface)

Size: 2"W x 5 ½"L x ½" H

Weight: 8 ounces

Battery: 9 Volt

