

Ligno-VersaTec

Description:

The Ligno-VersaTec is a multi-purpose meter to inspect, detect, measure, evaluate and monitor moisture in wood, concrete, sheetrock and many other building materials. The Ligno-VersaTec is loaded with features to make your job easier: pin mode, scan mode with selectable measuring depth and humidity mode. From timber processing to furniture making to construction and restoration this meter will service all your needs

The meter offers individual settings for

- wood, bamboo, composite wood products and engineered flooring
- concrete
- gypsum and sheetrock
- programmable for engineered floors and other composite materials
- Individual reference scales for materials similar to wood, vinyl, textile, concrete, drywall and other building materials such as ceiling tiles, ceramic tiles, etc

Pin Moisture Meter:

The standard package comes with the Ligno-VersaTec and the Electrode E12. The slide hammer E-12 is the industry standard for quality control. For furniture manufacturing the meter should be used the first when the lumber comes off the truck, then during storage, during various stages of manufacturing and at the inspection before shipping. The Ligno-VersaTec is also the right tool when installing and inspecting hardwood floors and the subfloors underneath. Great for any inspection and restoration job, where depth readings indicate different moisture levels. This package also comes with a hard shell carrying case to protect the meter and electrode from being damaged. For roofing inspections and other deep wall readings we recommend the Electrode E14G with EL pins 7" long. See Accessories.

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 ¼" and ¾" measuring depth. For measuring surface moisture, thin boards and veneer, the measuring depth can be restricted to ¼" deep. For deeper readings the user can set the measuring depth to ¾" deep. The feature allows measuring a dry surface over higher moisture deeper down.

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
- 2 year warranty for Meters (except batteries)
- 1 year warranty for accessories



non-invasive Meter for concrete



non-invasive Meter for wood



Ligno-VersaTec measuring relative humidity and temperature with the RH BluePeg Sensor



Ligno-VersaTec measuring the moisture in concrete with embedded RH BluePeg sensor

Specifications for pin mode:

Wide measuring range for wood scale (5-99%)
Individual species corrections with over 125 settings
Built-in wood temperature corrections 0-210°F
Gypsum (Sheetrock) scale (0.0-22%)
Automatic shut off, Hold feature
Temperature stable circuitry with built-in calibration check for the meter
Durable E-12 electrode for deep measurements up to 2" with teflonized pins for most reliable measurements.

Specifications for non-invasive operational mode:

Measuring depth: ¼" (7mm) and ¾" (20mm)
Measuring range for wood: 5-99% dependent upon Species
Resolution of Readout: 0.1%, less accurate above fiber saturation point at 30%

Corrections for wood species: 71 settings for wood, 2 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).
Resolution of Readout: 0.1%, less accurate above fiber saturation point at 30%

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 1/2"L x 1/2" H Weight: 8ounces Battery: 9 Volt

Specifications for RH BluePeg Probe:

Relative Humidity:
±2% for 10-90%
±3% for 0-10 and above 90%
Temperature:
±0.5°F for 32°-120°F
±1°F below 32°, above 120°F up to 160°F
Dew Point Temperature and GPP
Resolution 0.1%



Ligno-VersaTec Package with Electrode E12



Ligno-VersaTec Meter