

## Instructions Ligno-VersaTec

**To check settings:** Press SET key repeatedly to display active settings:

1. Pin/Scan Mode: PIN, SCAN
2. Material Setting: Wood, Mtrl
3. Wood Temperature (Pin): Temp
4. Measuring Depth (Scan): Dpth

**To change settings:** While setting is displayed, press ▲ or ▼ key. Hold key down for fast-forward. Press repeatedly for slow select. Find summary of all settings on page 6 of manual (web). Standard material settings are listed below. Other pre-programmed settings are: 30-100 corresponding with specific gravity 0.3-1.0 for wood in Scan Mode.

101-104 for original Lignomat group settings: 1-4. 105 for EMC readings with EMC Sensor from Lignomat in Pin Mode.

**To read moisture:** Press READ key, moisture value appears. Ligno-VersaTec will turn itself off after 3 minute. While measuring press HOLD to activate HOLD function. Press READ to resume measuring. When moisture is too low (high) to measure, Min (Max) appears with lowest (highest) moisture value. Readings above fiber saturation point are less accurate.

If you want to change Pin ↔ Scan Mode press ▲ or ▼ key, while measuring.

Lignomat USA Ltd 14345 NE Morris Ct.  
Portland OR 97230 USA 800-227-2105  
www.Lignomat.com Email: sales@Lignomat.com

## Measurements in Scan Mode

First, check settings. Then, press READ key to turn meter on. Place meter on test sample (for wood: in direction of the grain) and press slightly down without touching sample with your hand.

The active setting and mode appear briefly, before the display shows moisture content, species and depth setting.

Scan 125	125 3/4" 8.9%
-------------	------------------

To obtain accurate moisture percentages:

- Both sensor plates must be in contact with smooth, flat surface.
- Material must be at least as thick as the measuring depth, can be set for 1/4 or 3/4"
- If surfaces are not smooth and flat, take several readings and select highest value.

## Settings for Building Materials Scan

**15 Drywall, Sheetrock** (0-2.0%) (Pin↗)

**25 Concrete** (Qualitative Scale, based on RH values 0-99)

**10 Relative Scale** (0-99.9)

# 25 and 10 give quantitative readings to locate areas of concern. Measure a *dry* sample to establish a base value for *dry*.

## Measurements in RH Mode

As soon as the RH BluePeg probe is connected to the Ligno-VersaTec, the meter automatically switches into RH mode.

After connecting RH BluePeg probe to meter, press READ. Meter indicates RH or T, DPT, GPP values. Press HOLD key, then ▲ or ▼ key to scroll through values for RH, T, DPT, GPP.

## Measurements in Pin Mode

First check settings. Then, connect meter to electrode. Insert electrode pins. Press READ key to turn meter on.

The active setting and mode appear briefly, before the display shows moisture content, species setting, wood temp.

Pin 125	125 70F 8.9%
------------	-----------------

All wood moisture readings are indicated in percent. Readings are internally corrected for active (user selected) wood temperature setting between 0°F to 200°F. For more info on wood temp see manual (web) page 7.2. For wood species corrections choose settings according to listing below. Contact customer service for unlisted wood species or new products.

**\*\*Pin Bldg Materials:** Use electrode E14V

**9** Drywall, Sheetrock (15, 109)

**8** Interior and Exterior Glass Mat Boards (108)

**7** Water Resistant Backer Boards (107)

Range in Pin Mode for Setting 9: 0-7%

For Concrete and other hard bldg materials see manual (web) page 9.

To change inches ↔ mm  
and °F ↔ °C  
see manual (web) page 10.

## Material Settings for Ligno-VersaTec Pin and Scan Software <6.44

- 171 Acacia
- 139 Alder Red
- 185 Ash White
- 121 Aspen
- 111 Basswood
- 234 Balsa
- 168 Beech European
- 183 Birch
- 223 Cedar Western Red
- 118 Cedar Eastern White
- 138 Cedar Yellow
- 163 Cherry
- 130 Cottonwood
- 140 Douglas Fir
- 201 Dogwood
- 205 Ebony
- 159 Elm
- 115 Fir Red
- 128 Fir White
- 126 Hemlock
- 192 Hickory
- 189 Keruing
- 160 Koa
- 182 Lauan
- 176 Madrone Pacific
- 141 Mahogany Honduras
- 170 Maple Sugar
- 159 Maple (all other)
- 167 Meranti Red
- 177 Meranti White
- 198 Mesquite

- 157 Monkey Pod
- 178 Myrtlewood
- 179 Oak Red
- 197 Oak White
- 226 Pine Eastern White
- 132 Pine Lodgepole
- 141 Ponderosa Pine
- 141 Pine Red
- 155 Pine Southern Yellow
- 143 Pine Sugar
- 138 Poplar Yellow
- 159 Ramin
- 113 Redwood
- 175 Rubberwood
- 131 Sassafras
- 129 Spruce Northern
- 153 Spruce Sitka
- 156 Teak
- 180 Walnut Black
- 204 Wenge
- 0 Relative Scale (0-100)

Setting 0 is for laminates and composite products made out of wood.

- 155 Plywood made from softwoods
- 171 OSB
- 158 AdvanTech

## For Chile and New Zealand

- 147 Macroparca
- 152 Pine Hoop
- 147 Pine Radiata
- 155 Pine Slash Elliottii
- 133 Rimo Heartwood
- 175 Tawa

- For Brazil**
- 215 Ipe
- 186 Andiroba
- 200 Jacaranda
- 199 Balsamo
- 208 Jatoba
- 154 Cedrella
- 213 Macaranduba
- 219 Cumaru
- 211 Tatajuba
- 218 Gombiera
- 119 Tauari
- 196 Guatambu
- 115 Virola Sur.

## Settings for Building Materials

**15 Drywall, Sheetrock** (0-2.0%) Scan  
See above more settings for Pin\*\*

**25 Concrete** (Qualitative Scale, based on RH values 0-99)

**10 Relative Scale** (0-99.9)

Setting 25 and 10 give comparative readings to locate areas of concern. If possible, measure a dry area to establish a base value for dry.

## Bamboo standard Settings:

- 16 Vertical Natural 1/4" (7mm)
- 17 Vertical Carbonized 1/4" (7mm)
- 18 Horizontal Natural 1/4" (7mm)
- 19 Horizontal Carb. 1/4" (7mm)

- 14 Strand Natural 1/4" (7mm)
- 13 Strand Carbonized 1/4" (7mm)
- 13 Strand Tiger 1/4" (7mm)
- 12 Strand Midnight 1/4" (7mm)

**Cali Bamboo Settings:** only 1/4" (7mm)

- 24 Strand Natural 14mm thick
- 11 Strand Carbonized 14mm thick
- 11 Strand Nat. & Carb. 11mm thick
- 11 Eco Engineered Nat & Carb.
- 11 Strand Eucalyptus Nat & Carb.