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.

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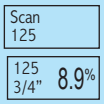
Measurements in Scan Mode

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.



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

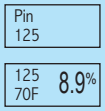
15 Drywall, Sheetrock (0-2.0%) (Pin↗)
25 Concrete (Qualitative Scale, based on RH values 0-99)
10 Relative Scale (0-99.9)

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

Measurements in 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.



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.

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.

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
165 Maple Sugar
170 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

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