Gann BL A Plus Quick Reference Guide

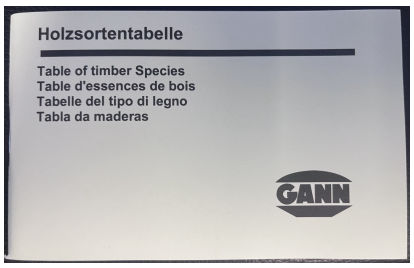
Timber - Non-Invasive [Equivalent] 3 to 4mm Deep

Step 1: Gather BL A Plus and Timber Species Pamphlet. Turn on Gann BL A Plus.

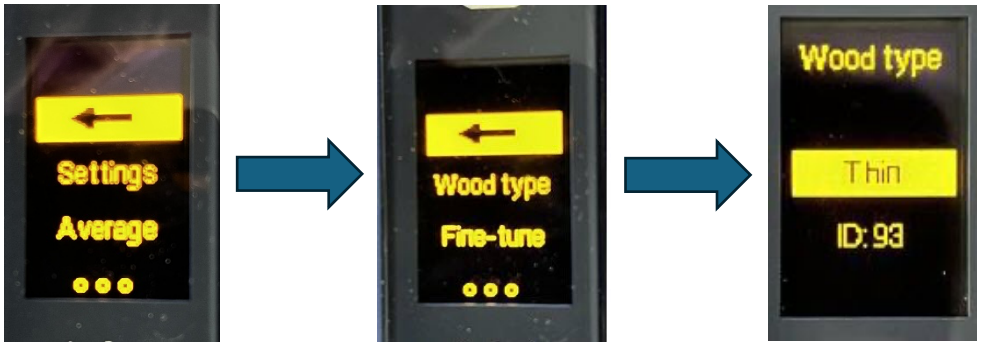
BL A Plus

+

Timber Species Pamphlet

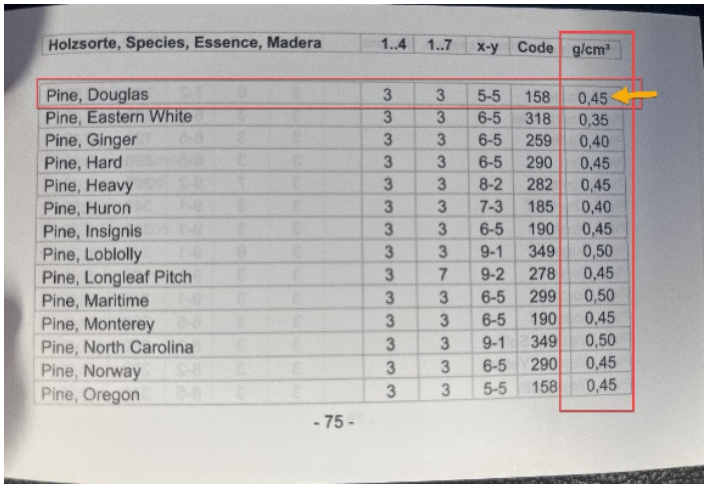


Step 2: Press either ↑ or ↓ to access the main menu. Press ↓ to highlight settings and "M" to select. Go into Wood type - change material type to 91, 92 or 93 by pressing ↑ or ↓ and pressing "M" to cofirm selection. (See table below for Type description)



Type	Material ID
Standard Capacitive Measurement	91
Capacitive Measurement of unplaned timber	92
Capacitive Measurement of thin timber (10-20 mm)	93

Step 3: Once Wood type selected, scroll down to "Fine-Tune" using ↓, and press "M". Input the Gravity/cm³ amount, based on your expected timber species within the Timber Species Pamphlet. (Note: 0,45 (Table) = 4.5 (BL A Plus)).



Holzsorte, Species, Essence, Madera	1..4	1..7	x-y	Code	g/cm³
Pine, Douglas	3	3	5-5	158	0,45
Pine, Eastern White	3	3	6-5	318	0,35
Pine, Ginger	3	3	6-5	259	0,40
Pine, Hard	3	3	6-5	290	0,45
Pine, Heavy	3	3	8-2	282	0,45
Pine, Huron	3	3	7-3	185	0,40
Pine, Insignis	3	3	6-5	190	0,45
Pine, Loblolly	3	3	9-1	349	0,50
Pine, Longleaf Pitch	3	7	9-2	278	0,45
Pine, Maritime	3	3	6-5	299	0,50
Pine, Monterey	3	3	6-5	190	0,45
Pine, North Carolina	3	3	9-1	349	0,50
Pine, Norway	3	3	6-5	290	0,45
Pine, Oregon	3	3	5-5	158	0,45

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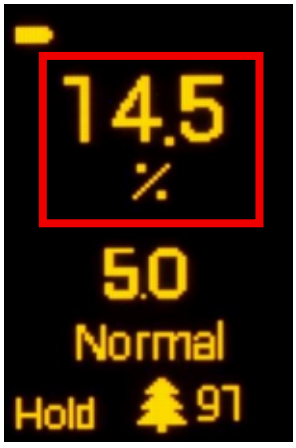
NOTE: If unsure of timber species, exact gravity measurement can be gathered using **ResCap, which will provide an absolute reading - Although invasive probe to unaffected area is required. See **ResCap** printout for further detail.

Step 4: Navigate back to the measuring menu by pressing "M" with the ← selected. Hold "M" with the sensor on the back of the BL A Plus against the material. Release "M" to save the reading.



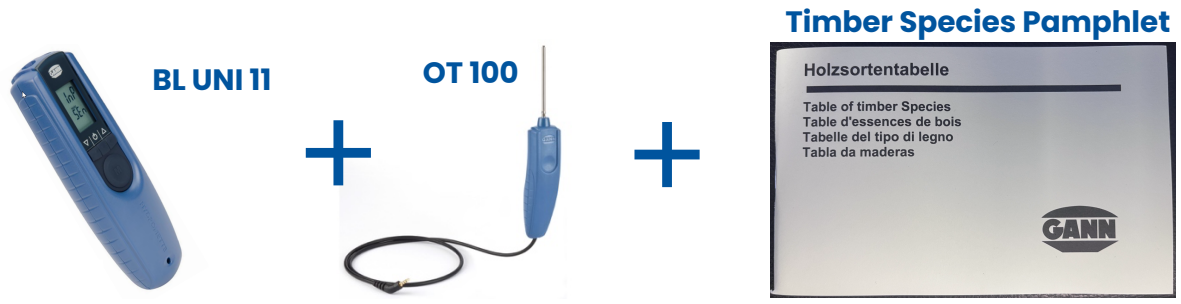
- ☑ You will know you are on the measuring menu by seeing "Hold" at the bottom left of the screen.
- ☑ Timber is considered dry at <10-15CM%. (Which is the reading highlighted in the picture ←)

Timber - Invasive [Absolute]

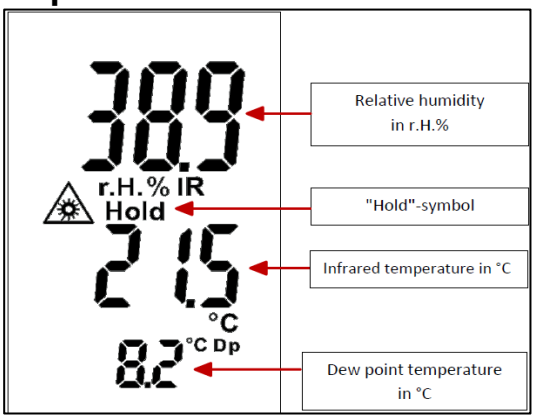
Step 1: Connect the Gann BL A Plus with the MK8 Measuring Cable and either the M20 Drive-in Electrode or M18 Ram-in Electrode. (**Note:** M20 Drive-in Electrode if measuring surface material or M18 Ram-in Electrode if measuring a material behind others - e.g. Bottom Plate)

Step 2: Connect the Gann UNI 11 with the TF-IR BL.
Have the Timber Species Pamphlet accessible also.

OR Step 2: Connect the Gann UNI 11 with the QT 100 Temperature sensor.
Have the Timber Species Pamphlet accessible also.

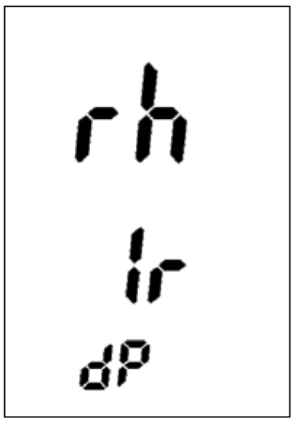


Step 3:



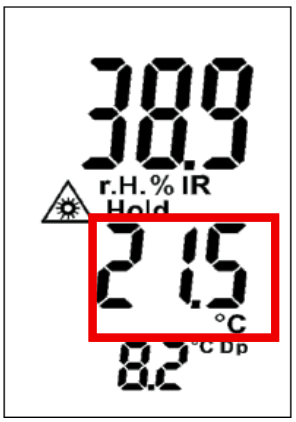
1. Navigate to the measuring menu by holding "M" for approximately 3 seconds.
2. When on the screen as shown, you should see "Hold" accompanied by a symbol, to indicate the Laser Pointer is active.
3. If you don't see this symbol, follow step 4. Otherwise skip to step 5.

Step 4:



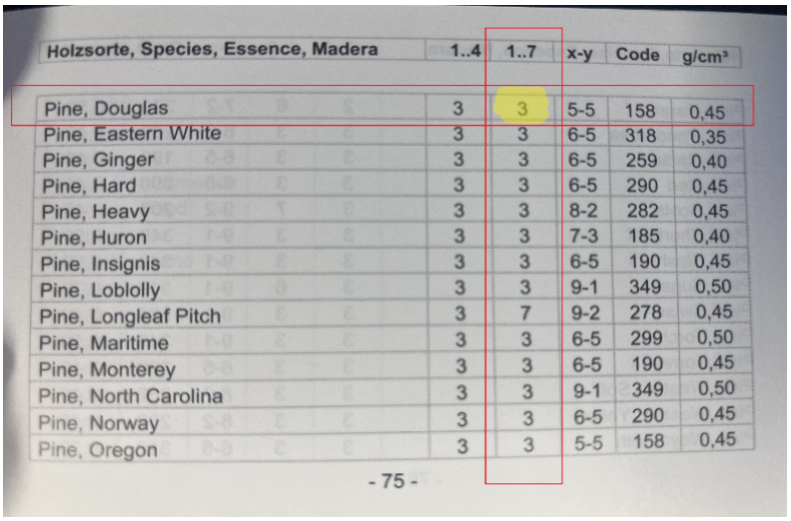
1. If you don't see the Laser symbol, navigate to the measuring settings menu (picture to left) by using the ↑ and ↓ buttons.
2. Press "M" once to be able to change the mode (Should start flashing) and press ↑ or ↓ to navigate the menu until you see the settings in the picture. (rh = Relative Humidity / lr = Laser Reader / dp = Dew Point %)
3. Once on these settings, press "M" again. This will direct you back to measuring screen.

Step 5: Take surface temp reading.



1. Point the TF-IR BL toward the affected material and hold the "M" button on the UNI 11.
2. After a couple seconds, the Laser will initiate. Once you release "M" the reading will save and the surface temp reading will be as shown.
3. Keep note of this number. Another option is to plug the OT 100 hold measurement button for 5 seconds then press onto surface the OT 100 and press the M button for a surface temperature this way is more accurate.

Step 6: Turn on the GANN BL A Plus. Access settings by pressing either ↑ or ↓. Highlight settings and press "M" to confirm. Then highlight Wood type and press "M". Select types 1-7, based on the expected species of timber on the Timber Species Pamphlet



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Step 7: Once pressing "M" to confirm wood type, press ↓ until Wood Temp is highlighted, then press "M". Input the Surface temp reading you gathered previously here by pressing ↑ or ↓ to change, then "M" to confirm.

Step 8: Navigate back to the measuring menu by pressing "M" with the ← selected. Hold "M" with the electrodes in the material. Release "M" to save the reading.

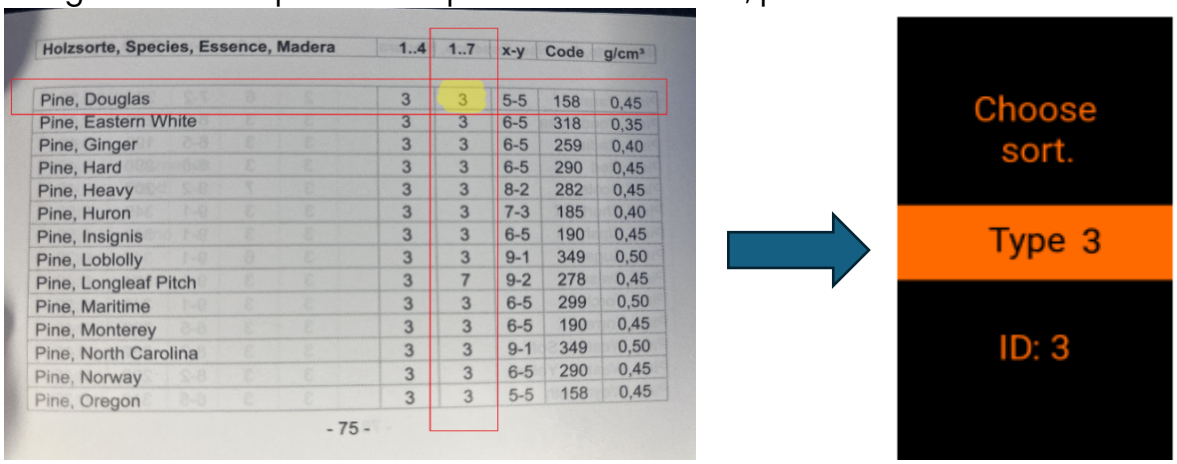
- ☑ You will know you are on the measuring menu by seeing "Hold" at the bottom left of the screen.
- ☑ Timber is considered dry at <10-15CM%. (Which is the reading highlighted in the picture ←)

ResCap [Resistance Measurement]

Step 1: Connect the MK8 Measuring Cable to the Gann BL A Plus with the M20 Drive-In probe attached. Additionally, get the Timber Species Pamphlet. Turn on the device.

Step 2: Press ↑ or ↓ to access the main menu. Then press ↓ to settings and press "M" to confirm. Scroll down pressing ↓ until ResCap is highlighted, then press "M".

Step 3: Input a Material Type from 1-7, based on what the expected species of timber is, using the Timber Species Pamphlet. Once selected, press "M" to continue.



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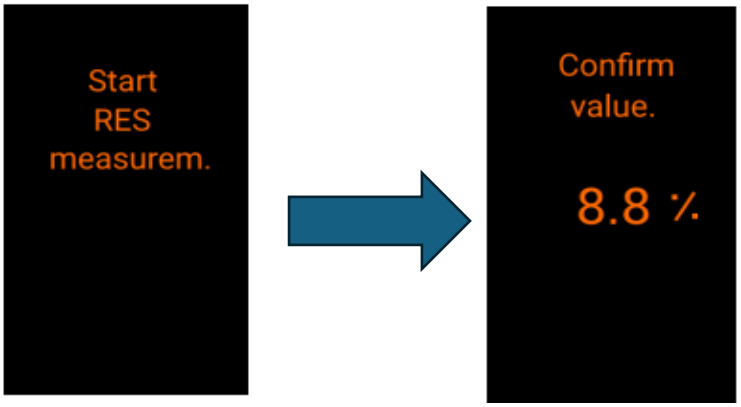
Step 4: Insert the Drive-in probe to the material. Once in, press "M" to start Resistance reading. Leave the prongs in for approx. 5-10seconds until reading becomes stable, then press "M" to continue.



Step 5: Before continuing, remove the drive-in probe from the timber. Then place the back sensor of the BL A Plus on the material and press "M". Hold the device against the material until you see a ✓ on the screen. The Resistance measurement will then be displayed on the screen. This can be input into "Fine Tune" setting when doing a non-invasive timber reading to make it absolute.