Gann Quick Reference – All Instruments

Cycle through the menus by using the Up and Down arrows.

Once plugging in a new attachment - Hold down the "M" button to load the relevant measuring menu for the tool.

TEST TYPE DESCRIPTIONS (Ranked by Accuracy)	
Absolute (1)	Conclusive reading on single test. Requires material substrate to be identified (e.g. timber species, concrete strength), and calibrated.
Equivalent (2)	Requires material settings.
Relative (3)	Compare the reading from a known dry spot (of the same substrate) to the affected area.

Substrate	Non-Invasive / Invasive	Equipment	Reading Type	Settings	Notes
Concrete	Non-Invasive	1. Gann BL UNI 11 + Gann B55 BL 2. Gann Bl B2 3. Gann CH17 + B55 BL	Equivalent	> Scroll to Material setting - Set to CM% for material based on table (Most commonly 73) > Hold "M" until redirected to measuring mode	☑ Common Material Settings 73 - Concrete in CM% (Dry at <2-3CM%) 13 - Concrete in wt.% (Dry at <3.5-4.5wt.%) ☑ Hold the Gann B55 BL toward the bottom half of the device - No skin contact with the metal rod or ball.
Concrete	Invasive	1. Gann BL E + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 2. Gann CH 17 + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 3. Gann RH-T Hygrometer	Absolute/ Equivalent only absolute if choose correct MPA on the CH17	> Scroll to Material setting - Set to 65 for BLE or choose correct MPA forCH17) > For RH-T Hygrometer set to 13 > Hold "M" until redirected to measuring mode	☑ Material setting 65 is only concrete setting - measures wt% only. ☑ Material setting 13 for RH-T is only concrete setting - measures wt% only. ☑ Concrete considered dry at <3.5-4.5wt.% or 2 to 3 %CM / Absolute

Material	Method	Equipment	Reading Type	Settings	Notes
Screed	Non-Invasive	1. Gann BL UNI 11 + Gann B55 BL 2. Gann BL B2 3. Gann CH17 + B55 BL	Equivalent	> Scroll to Material setting - Set to CM% for material based on table (Most commonly 18 *or* 50) > Hold "M" until redirected to measuring mode	☑Common Material Settings 18 -Cement in CM% (Dry at .2-3CM%) 50 - Anhydrite in CM% (Dry at .2-3CM%)
Screed	Invasive	1. Gann BL E + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 2. Gann CH 17 + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste withM6 Plugins. 3. Gann RH-T Hygrometer	Absolute/ Equivalent only absolute if choose correct MPA on the CH17	> Scroll to Material setting - Set to CM% for material based on table (Most commonly 18 *or* 50) > Hold "M" until redirected to measuring mode > For RH-T Hygrometer set to 13	☑Common Material Settings 18 -Cement in CM% (Dry at 2-3CM%) 50 - Anhydrite in CM% (Dry at 2-3CM%) ☑Material setting 13 for RH-T is only concrete setting - measures wt.% only - 3 to 4.5 WT%
Block	Non-Invasive	1. Gann BL UNI 11 + Gann B55 BL 2. Gann BL B2 3. Gann CH17 + B55 BL	Relative/ Equivalent	>Scroll to Material menu - Set to 13 >Hold "M" to be redirected to measuring screen	☑Hold the Gann B55 BL toward the bottom half of the device - No skin contact with the metal rod or ball. ☑Gather a reading from a non-affected area prior to the affected area to compare readings. ☑Readings will be < 3 to 4.5 wt. %.

Block	Invasive	1. Gann BL E + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 2. Gann CH 17 + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 3. Gann RH-T Hygrometer	Absolute/ Equivalent only absolute if choose correct MPA on the CH17	> Scroll to Material setting - Set to 65 for BLE or choose correct MPA forCH17) > For RH-T Hygrometer set to 13 > Hold "M" until redirected to measuring mode	☑Common Material Settings 60 - Bricks/Block in wt.% (Dry at <2 %)
Brick	Non-Invasive	1. Gann BL UNI 11 + Gann B55 BL 2. Gann BL B2 3. Gann CH17 + B55 BL	Relative/ Equivalent	>Scroll to Material menu - Set to 13 >Hold "M" to be redirected to measuring screen	☑Hold the Gann B55 BL toward the bottom half of the device - No skin contact with the metal rod or ball. ☑Gather a reading from a non-affected area prior to the affected area to compare readings. ☑Readings will be < 3 to 4.5 wt. %.
Brick	Invasive	1. Gann BL E + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 2. Gann CH 17 + Gann Measuring Cable MK8 + Brush Electrodes pair or Insulated Rods w/ Conductive Paste with M6 Plugins. 3. Gann RH-T Hygrometer	Absolute	> Scroll to Material setting - Set to 60 > For RH-T Hygrometer set to 13 > Hold "M" until redirected to measuring mode	☑Common Material Settings 60 - Bricks/Block in wt.% (Dry at <1.5 %)

Material	Method	Equipment	Type	Process	Settings

Timber	Non-Invasive	Gann BL A Plus + Table of Timber Species (Green Booklet or on RS Website)	Absolute	> Settings
				> Wood Type (Pick 91 - 93)
				> Fine-Tune (Input based on g/cm³ of expected species in Timber species table - 0,45 = 4.5)
				> ← to Measuring Mode
					☑Material Settings
					   91 - Standard Capacitive Measurement
					   92 - Capacitive Measurement of unplanned timber
					   93 - Capacitive Measurement of thin timber (10-20 mm)
					☑Timber considered dry at <10-15MC% reading

Timber	Invasive	Gann BL UNI 11 / CH 17 + Gann TF-IR BL / Gann TF IR 2 Gann BL UNI 11 / CH17 + Gann QT 100 Temp sensor with Gann Thermal paste if not flat Gann BL A Plus / CH 17 / Gann BL H 40 + Gann Measuring Cable MK8 + Gann M20 Drive-in Electrode (Surface material) *or* Gann M18 Ram-in Electrode with Insulated pins (Material behind others) + Table of Timber Species (Green Pamphlet)	Absolute	**Gann BL UNI 11 / Gann TF IR 2 / CH 17** >Plug in TF-IR BL Active electrode or OT 100 >Hold "M" until redirected to measuring mode > Hold "M" and point laser at material to get surface temp reading or hold OT 100 on surface **Gann BL A Plus / Gann BL H 40 / Gann CH 17** > Settings > Wood Type (Pick 1-7 - Based off expected timber species type within Imber species table) > Wood Temp (Surface temp reading gathered from Gann BL UNI 11) > ← to Measuring Mode	☑Material Settings (Based on expected species) 1 - Type 1 (Refer to Timber Species Table - "1..7" Column) 2 - Type 2 (Refer to Timber Species Table - "1..7" Column) 3 - Type 3 (Refer to Timber Species Table - "1..7" Column) 4 - Type 4 (Refer to Timber Species Table - "1..7" Column) 5 - Type 5 (Refer to Timber Species Table - "1..7" Column) 6 - Type 6 (Refer to Timber Species Table - "1..7" Column) 7 - Type 7 (Refer to Timber Species Table - "1..7" Column) ☑Timber considered dry at <10-15MC% reading

Material	Type	Equipment	Reading Type	Setup	Method
Gyprock	Non-Invasive	1. Gann BL UNI 11 + Gann B55 BL 2. Gann BL B2 3. Gann CH17 + B55 BL	Equivalent	> Scroll to Material setting - Set to wt.% for material based on table (Most commonly 17) > Hold "M" until redirected to measuring mode	☑To gather reading, Hold M with the Ball at a 90° to the material ☑Release "M" to save reading - Holding "M" to gather new reading (Device can hold up to 5 readings in memory) ☑Hold the Gann B55 BL toward the bottom half of the device - No skin contact with the metal rod or ball ☑Gyprock considered dry < 0.5wt%
Gyprock	Invasive	Gann BL E / CH17 + Gann Measuring Cable MK8 + Gann M20 Drive-in Electrode	Absolute	> Scroll to Material setting - Set to 17 > Hold "M" until redirected to measuring mode	☑To gather reading, Hold M with the prongs in material ☑Release "M" to save reading - Holding "M" to gather new reading (Device can hold up to 5 readings in memory) ☑Gyprock considered dry < 0.5wt%
Carpet	Non-Invasive				
Carpet	Invasive	Gann BL E / CH17 + Gann Measuring Cable MK8 +Gann M20 Drive-in Electrode Gann BL H40 + Gann Measuring Cable MK8 + Gann M20 Drive-in Electrode	Relative	>Scroll to Material menu - Set to 0 > for BL H40 set to 3 >Hold "M" to be redirected to measuring screen	☑Gather a reading from a non-affected area prior to the affected area to compare readings as a guide 8 to 12 digits ☑Readings will be in digits, not CM% or wt. %.
Other Substrate	Non-Invasive	Gann BL UNI 11 / CH17 + Gann B55 BL	Relative	>Scroll to Material menu - Set to 0 >Hold "M" to be redirected to measuring screen	☑Gather a reading from a non-affected area prior to the affected area to compare readings. ☑Readings will be in digits, not CM% or wt. %.

ResCap	Invasive	Gann BL A Plus + MK* Measuring Cable + M18 Drive-in Electrode with Insulated pins + Timber Species Booklet	Absolute	>Menu/Settings/ResCap >Insert probe before starting first test >Run first test for 5-10 sec - until reading becomes stable >Remove probe prior to second test >Hold BL A Plus rear sensor against material until you see ✔️ >Reading will appear on screen	☑️Used to obtain Resistance / Gravity/cm³ measurement - take measurement from unaffected area. ☑️Can be input into "Fine-Tune" setting of non-invasive timber reading to make it absolute.
Relative Humidity / Temperature / Dew point / Environment readings	Non-Invasive	1. Gann BL UNI 11/ CH17 + Gann TF-IR BL 2. Gann TF IR 2 3. CH17 plus TF stick or RH-T	N/A	>Plug in TF-IR BL Active electrode >Hold "M" until redirected to measuring mode > Hold "M" (Ensure laser isn't pointing at anyone) > Read Top "rH%" Reading	
Timber / Gyprock	Non-Invasive / Surface readings 3 to 4mm	1.Gann BL E / CH17/ BL H 40+ Gann Measuring Cable MK8 + M20 OF15 Surface caps	Absolute / Equivalent	> Scroll to Material setting > Hold "M" until redirected to measuring mode	☑️Material Settings ☑️Gyprock <.5 WT% ☑️Timber considered dry at <10-15MC% reading

Gann BL UNI 11	Gann BL E	Gann CH17	Gann BL A Plus	Gann BL B2	Gann TF-IR 2	Gann BL H40	Gann Telescopic EL-BL Handle	
Gann B55 BL Probe	Gann TF-IR BL	Gann QT 100 BL Temp Sensor	Gann RH-T 37 BL Flex Hygrometer	Gann RH-T 37 BL Hygrometer	Gann M18 Ram-in Probe	Gann M20 Drive-in Probe	Gann M20-OF15 Surface Caps	Gann Pluggable Humidity sensor TF-Stick K-25 P
Gann M25-100/300 Brush Electrode (Pair)	Gann Electrode Insulated Teflon Pins 60mm	Gann Thermally Conductive Paste for Gann ET 10 BL for non flat surfaces	Gann Stick-in Electrodes (Pins or Flat) with Conductive paste	Gann M6 plug in Electrode	Gann MK8 Measuring Cable	Gann Building and Timber Calibration blocks	Gann MK18 Connection Cable	Gann MK16 Connection Cable