

## Gann BL E Quick Reference Guide

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

**Step 1:** Connect the Gann BLE with the MK8 Measuring Cable and the M20 Drive-in Electrode with the Gann OF 15 Surface caps.



**Step 2:** Turn on the GANN BLE 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 Booklet (See Below)

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

**Step 3:** Navigate back to the measuring menu by pressing "M" with the  selected. Hold the "M" button with the electrodes on 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%.

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## Gyprock – Non-Invasive [Equivalent] 3 to 4mm Deep

**Step 1:** Connect the Gann BLE with the MK8 Measuring Cable and the M20 Drive-in Electrode with the Gann OF 15 Surface caps.



**Step 2:** Turn on the GANN BL E. Access settings by pressing either ↑ or ↓. Highlight settings and press "M" to confirm setting 17 is Gypsum mixed plaster in Wt.%.

**Step 3:** Navigate back to the measuring menu by pressing "M" with the  selected. Hold the "M" button with the electrodes on 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.
- ✓ Gyprock is considered dry at <0.5%.

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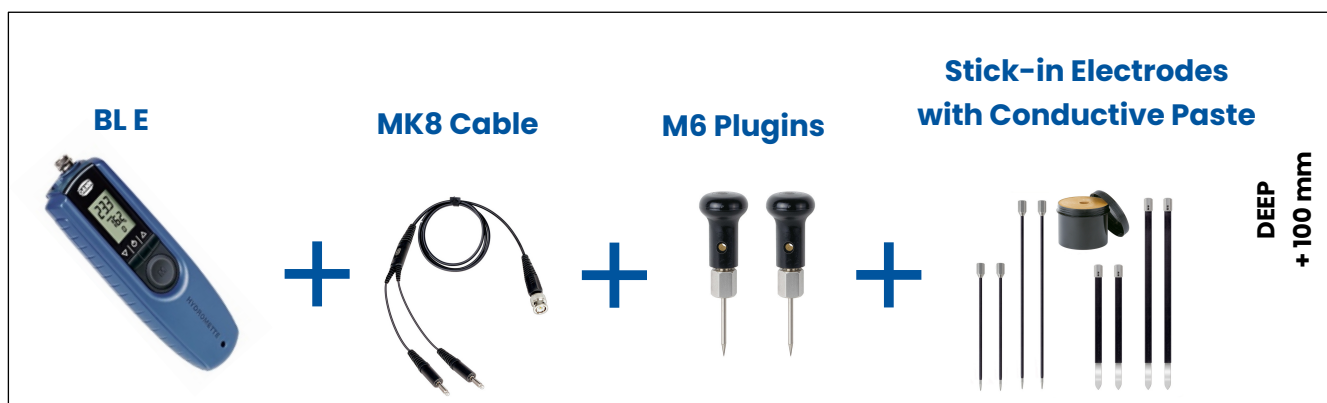
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## Concrete – Invasive [Absolute]

**Step 1:** Get the Gann BL E and, dependent on the required depth into concrete for reading, connect one of the following:



**Step 2:** Drill a hole into the concrete suitable for the chosen method of reading:

- Brush Electrode – 4mm
- Stick-in Pins – 5-6mm

**Step 3:** If using Stick-in electrodes, prior to inserting into concrete, ensure conductive paste is applied to the hole or tip of instrument.

Do so by mixing some with water in a separate container. Due to conductivity, make sure no paste is on the surface of the concrete when reading. (If using brush electrodes – **continue to step 4**)

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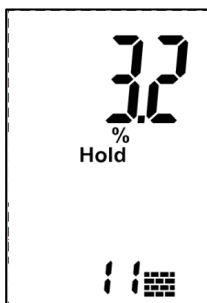


**Step 4:** Scroll through the menus using either the ↑ or ↓ buttons until you reach the material menu (See below).



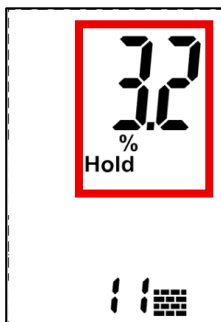
1. Once on the material menu press the "M" button to change the material (material #/type should start flashing).
2. Scroll through the materials using ↑ or ↓ until you are on the desired type. (for Concrete – Material ID# 65)
3. Press "M" to confirm your material selection

**Step 5:** Navigate to the measuring menu.



- You can navigate to the measuring menu by using the ↑ and ↓ buttons, or by holding the "M" button for approx. 3 seconds.
- You will know you are on the measuring menu when you see "Hold" (As shown on the image ←)

**Step 6:** With the electrodes in the substrate, hold the "M" button. On release of the "M" Button, the reading will be saved.



- The wt.% moisture reading will be where shown.
- A reading of <3.5-4.5wt.% for concrete is considered dry.

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## Screed – Invasive [Absolute]

**Step 1:** Connect the MK8 Measuring Cable to the Gann BL E with the Brush electrodes attached at the end.



**Step 2:** Drill a 4mm hole into the screed

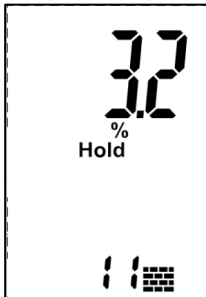
**Step 3:** Scroll through the menus using either the ↑ or ↓ buttons until you reach the material menu (See below).



1. Once on the material menu press the "M" button to change the material (material #/type should start flashing).
2. Scroll through the materials using ↑ or ↓ until you are on the desired type.

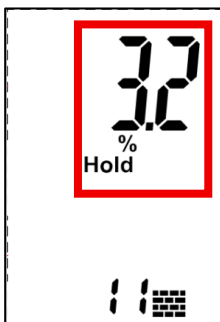
18	Cement screed in CM%
50	Anhydrite screed in CM%
3. Press "M" to confirm your material selection.

**Step 4:** Navigate to the measuring menu.



- You can navigate to the measuring menu by using the ↑ and ↓ buttons, or by holding the "M" button for approx. 3 seconds.
- You will know you are on the measuring menu when you see "Hold" (As shown on the image ←)

**Step 5:** With the electrodes in the substrate, hold the "M" button. On release of the "M" Button, the reading will be saved.



- The CM% moisture reading will be where shown.
- A reading of <2-3CM% for concrete is considered dry.

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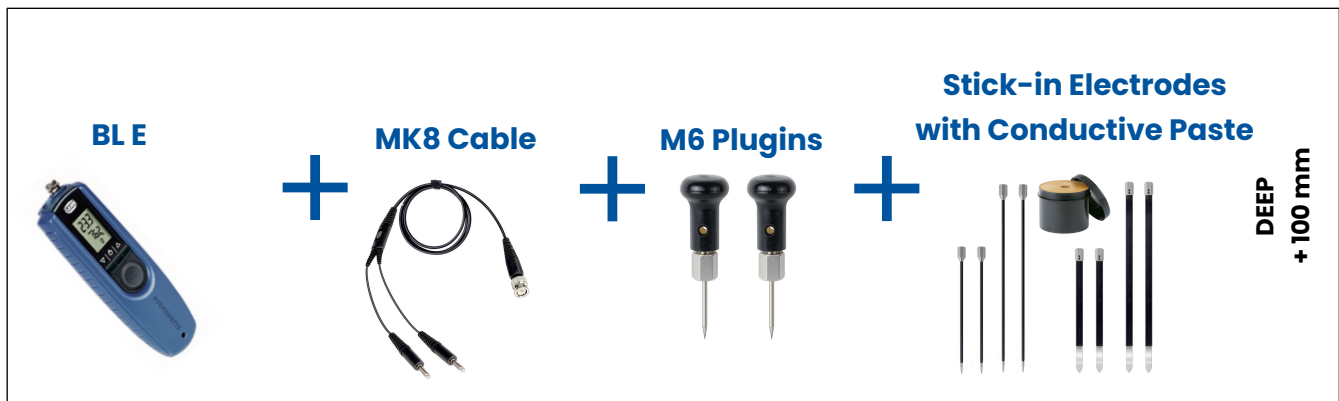
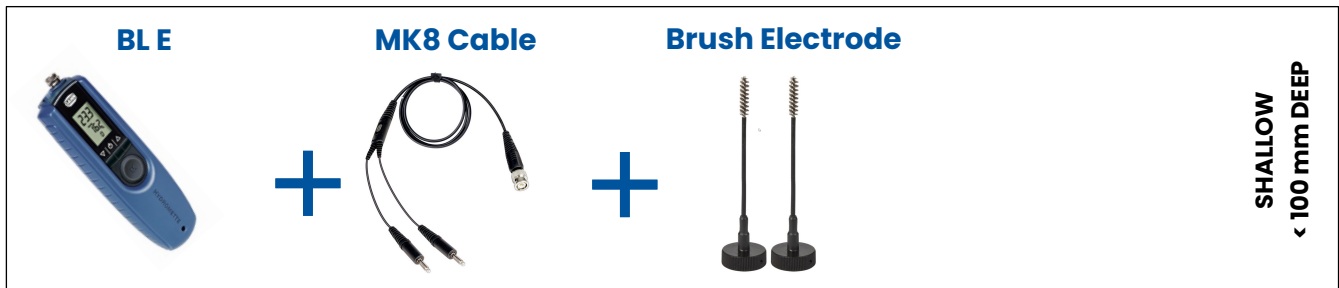
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## Block & Brick – Invasive [Absolute]

**Step 1:** Get the Gann BL E and, dependent on the required depth into concrete for reading, connect one of the following:



**Step 2:** Drill a hole into the concrete suitable for the chosen method of reading:

- Brush Electrode – 4mm
- Stick-in Pins – 5-6mm

**Step 3:** If using Stick-in electrodes, prior to inserting into concrete, ensure conductive paste is applied to the hole or tip of instrument.

Do so by mixing some with water in a separate container. Due to conductivity, make sure no paste is on the surface of the concrete when reading. (If using brush electrodes – **continue to step 4**)

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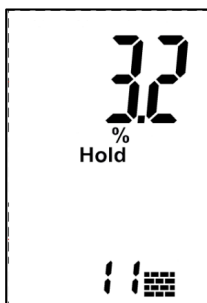


**Step 4:** Scroll through the menus using either the ↑ or ↓ buttons until you reach the material menu (See below).



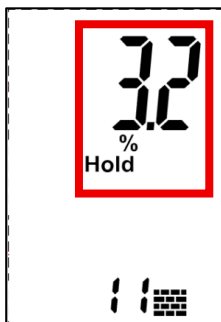
1. Once on the material menu press the "M" button to change the material (material #/type should start flashing).
2. Scroll through the materials using ↑ or ↓ until you are on the desired type. (for Bricks/Block - Material ID# 60 (wt.%))
3. Press "M" to confirm your material selection

**Step 5:** Navigate to the measuring menu.



- You can navigate to the measuring menu by using the ↑ and ↓ buttons, or by holding the "M" button for approx. 3 seconds.
- You will know you are on the measuring menu when you see "Hold" (As shown on the image ←)

**Step 6:** With the electrodes in the substrate, hold the "M" button. On release of the "M" Button, the reading will be saved.



- The wt.% moisture reading will be where shown.
- A reading of <1.5wt.% for Brick/Block is considered dry.

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## Gyprock – Invasive [Absolute]

**Step 1:** Connect the MK8 Measuring Cable to the Gann BL E with the M20 Drive-In probe attached. Turn on the device.

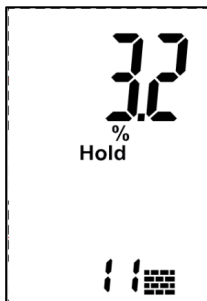


**Step 2:** Scroll through the menus using either the ↑ or ↓ buttons until you reach the material menu (See below).



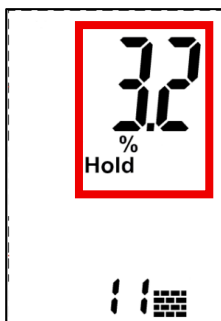
1. Once on the material menu press the "M" button to change the material (material #/type should start flashing).
2. Scroll through the materials using ↑ or ↓ until you are on the desired type. (for Gypsum Plaster – Material ID# 20)
3. Press "M" to confirm your material selection

**Step 3:** Navigate to the measuring menu.



- You can navigate to the measuring menu by using the ↑ and ↓ buttons, or by holding the "M" button for approx. 3 seconds.
- You will know you are on the measuring menu when you see "Hold" (As shown on the image ←)

**Step 4:** Insert the drive-in probe to the plaster. Hold the "M" button. On release of the "M" Button, the reading will be saved.



- The wt.% moisture reading will be where shown.
- A reading of <0.5wt.% for Plaster is considered dry.

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## Carpet – Invasive [Relative]

**Step 1:** Connect the MK8 Measuring Cable to the Gann BL E with the M20 Drive-In probe attached. Turn on the device.



**Step 2:** Scroll through the menus using either the ↑ or ↓ buttons until you reach the material menu (See below).



1. Once on the material menu press the "M" button to change the material (material #/type should start flashing).
2. Scroll through the materials using ↑ or ↓ until you are on the desired type. (for Carpet – Select Material ID# 0)
3. Press "M" to confirm your material selection

**Step 3:** Navigate to the measuring menu



- You can navigate to the measuring menu by using the ↑ and ↓ buttons, or by holding the "M" button for approx. 3 seconds.
- You will know you are on the measuring menu when you see "Hold" (As shown on the image ←)

**Step 4:** A reading will be required in a dry area as well as the affected area. Stick the probes in the carpet and hold the "M" button. On release of the "M" Button, the reading will be saved.



- The displayed reading will be in digits instead of in moisture or weight %.
- As the reading is relative, you can only gauge the increase of moisture to the affected area by the variance between the two numbers.

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