

Quick Start Guide

Version 1.0



HYDROMETTE

BL E 2



EN



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All relevant national, regional and local safety regulations must always be observed when installing and using this device. For reasons of safety and to ensure compliance with the documented system data, only the manufacturer is authorised to carry out repairs to components. Failure to observe this information may result in injury or damage to the equipment.

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1 Foreword

This quick start guide contains an overview of the most important functions of the Hydromette BL E 2. It only contains parts of the legal and safety-relevant information and has been abridged for better readability. A complete digital version of the operating instructions is available on our homepage in the download area (in **English**: pdf. file with **EN** extension):

<https://www.gann.de/en/products/handhelds/electronic-moisture-meters/blue-product-series/bl-e-2#downloads>



Only use the device if you have read and understood all legal and safety-related information in the complete operating manual.

1.1 Explanation of the General Warnings

The following danger levels are used in this quick start guide to indicate potentially dangerous situations and important safety instructions:

Danger Level	Description
 DANGER	Danger / Indicates a hazardous situation which, if not avoided, will result in death or serious irreversible injuries.
 WARNING	Warning / Indicates a hazardous situation which, if not avoided, could result in death or serious irreversible injuries.
 CAUTION	Caution / Indicates a hazardous situation which, if not avoided, could result in minor or moderate injuries.
 INFORMATION	Indicates important information.

1.2 Specific Warnings


CAUTION

There is a risk of injury from the measuring pins of the electrodes for resistance measurement, e.g. due to careless handling when piercing / knocking into the material to be measured. Before the electrode pins are pressed / knocked into walls or ceilings (e.g. wooden panels or similar), it is essential to ensure by suitable means that there are no electrical cables, water pipes or other supply lines in this location.

2 Device Layout and Button Assignment

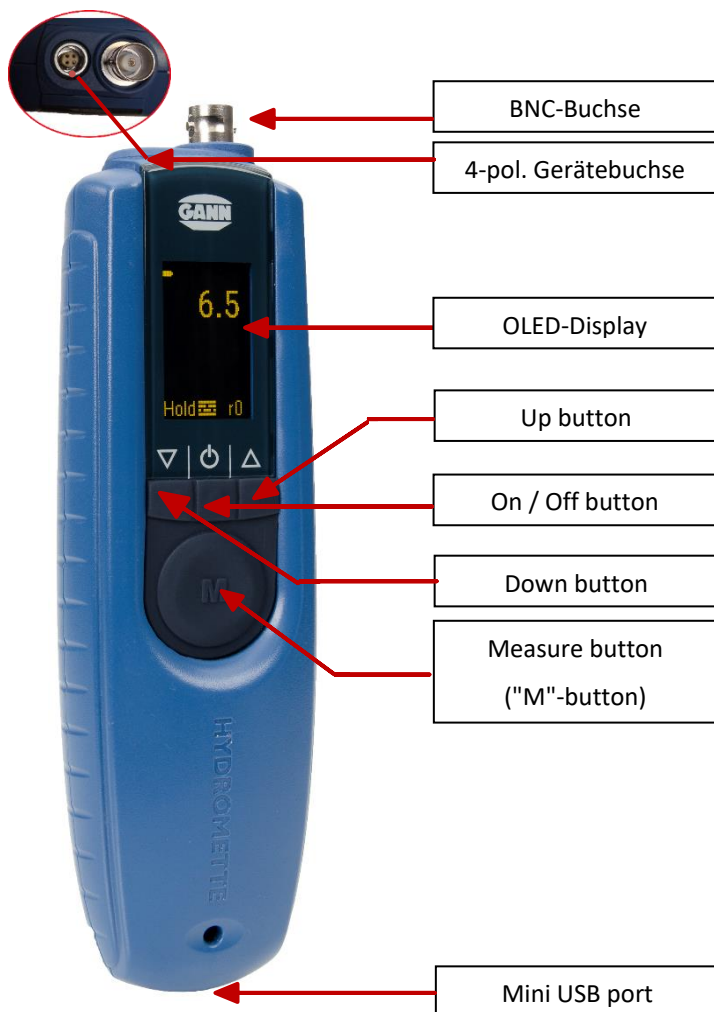
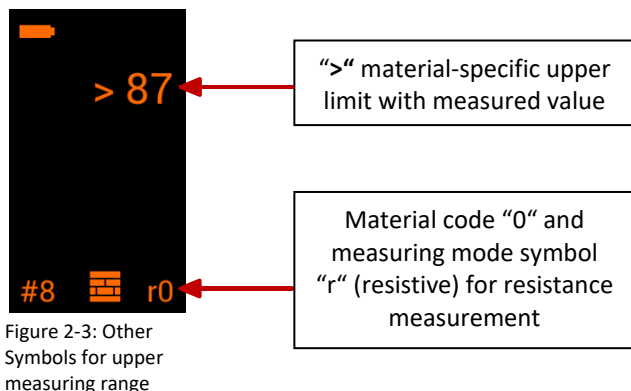
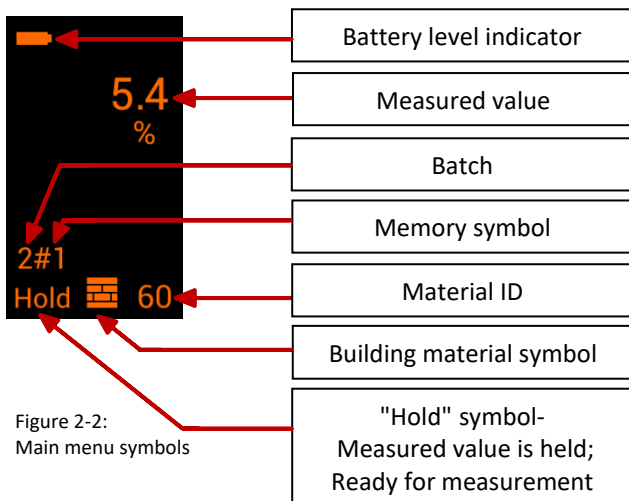


Figure 2-1: Front view of the Hydromette BL E 2

2.1 Display Symbols



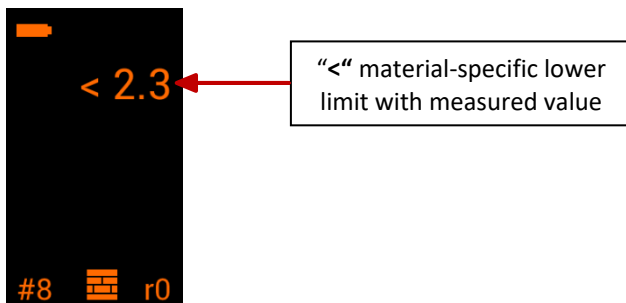


Figure 2-4 Other Symbols for lower measuring range

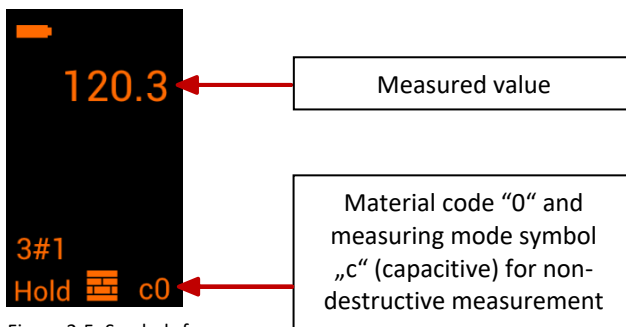


Figure 2-5: Symbols for non-destructive measurement

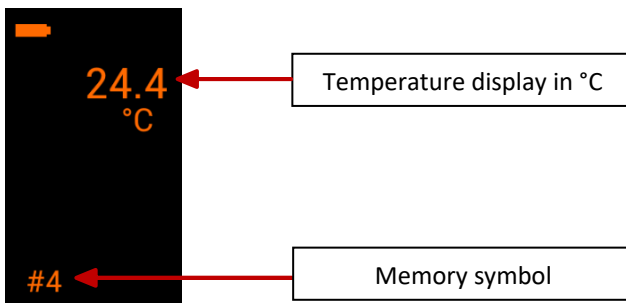


Figure 2-6: Symbols when measuring temperature

2.2 Switching the Device On and Off



Figure 2-7:
Start screen

The device is switched on and off by pressing the "On / Off" button . The GANN logo is shown on the display while the device is starting up. The device name and the installed firmware version are also displayed. After switching on, the Hydromette BL E 2 always starts in the last menu opened. When the device is started for the first time, the Hydromette starts in the basic measurement mode.

By default, the Hydromette BL E 2 is delivered with the material code "r 0" (resistance measurement or resistive measurement in digits) as the factory setting.

2.3 Menu Guidance

The device must be switched on in order to make menu selections. Starting from the measurement menu, you can access other menus by pressing the "**Up**" or "**Down**" buttons.

Each menu selection must be confirmed by briefly pressing the "**M**" button. To leave a menu, either confirm the (changed) menu selection by pressing the "Measure" button or select the "**Return**" symbol using the "**Up**" or "**Down**" buttons and confirm by pressing the "**M**" button.

Menu selection overview:

1. **Measuring Menu (Main Menu):** The measuring process can be performed here.

2. Settings:

- **Material:** Selection of the material to be measured using the [material ID table](#).
 - **Brightness:** Setting the menu brightness.
 - **Language:** Setting the menu language.
3. **Average value:** An average of up to five measurements can be output here.
 4. **Batches:** Activation or deactivation of storage in batches. Measurements that have already been saved can be viewed and / or deleted.
 5. **Memory:** Contains the last ten measurements that were not saved in batches.

2.4 Material Selection

The desired material can be selected in this menu by selecting the corresponding material ID. The measured values are then displayed in weight % or CM %. The following materials are available:

Material_ID	Material designation
0	Scan mode resisitiv (display in digits)
11	Cement screed in weight-%
12	Anhydrite screed in weight-%
14	Cement mortar in weight-%
15	Lime mortar in weight-%
17	Gypsum plaster in weight-%
18	Cement screed in CM-%
19	Lime sand brick in weight-%
21	Styrofoam in weight-%
50	Anhydrite screed in CM-%
51	Aerated concrete in weight-%
52	Plaster screed in weight-%
53	Plaster screed in CM-%

54	Gypsum plaster in CM-%
55	Lime mortar in CM-%
56	Cork, pressed in weight-%
57	Xylolite in weight-%
58	Cement mortar in CM-%
59	Aerated concrete (PPW4)in weight-%
60	Brick in weight-%
65	Concrete C20/25 in weight-%
69	Cork, nature in weight-%
70	Magnesite screed in weight-%
71	Glas-/Mineralwolle in Gew.-%
c 0	Display in digits / Scan mode capacitive (only in connection with building moisture electrodes)

Material ID	Types of wood
2	Type 2
3	Type 3

Table 2-1: Available materials

The scan mode is used for comparative measurements of unknown materials or measurements of material compositions, as is often the case in buildings. Additional specific measurement curves for single-variety building materials are also available.

The “Material selection” menu item is omitted for batch measurements where at least one measured value has already been saved.

2.5 Basic Measurement

The basic measurement is the standard measurement function. This is suitable for quick measurements that do not require documentation of the results. The last 10 measured values are simply stored in a ring memory.

2.5.1 Measuring Process

A new measurement is started by pressing the **"M"** button (*> 2 seconds*). During the measurement process, the **"Hold"** symbol disappears from the display. After releasing the **"M"** button, the measured value is held and automatically saved in the ring memory. The oldest stored value is overwritten. The **"Hold"** symbol is displayed again.



For a reliable measurement result, the measurement button must be pressed for at least *two seconds*.

INFORMATION

2.5.2 Query the last Ten Measured Values (Memory)

The measurements of the basic measurement are stored in a ring memory. The measured values are displayed with #1...#10, where #1 corresponds to the last measured value and #10 is the furthest in the past.

The descriptions for batch measurement and average value measurement can be found in the complete operating instructions.

3 Using the Hydromette BL E 2

The Hydromette BL E 2 is a multi-purpose measuring instrument for measuring structural moisture, wood moisture and temperature. The device utilises both the resistance measuring principle and the non-destructive capacitive measuring principle. This means that the device can be used in conjunction with different building moisture electrodes depending on the measuring task.

-Subject to technical changes -

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