Quick Start Guide

Version 1.0

HYDROMETTE

BL H 40-II



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 H 40-II. 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-h-40-ii#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

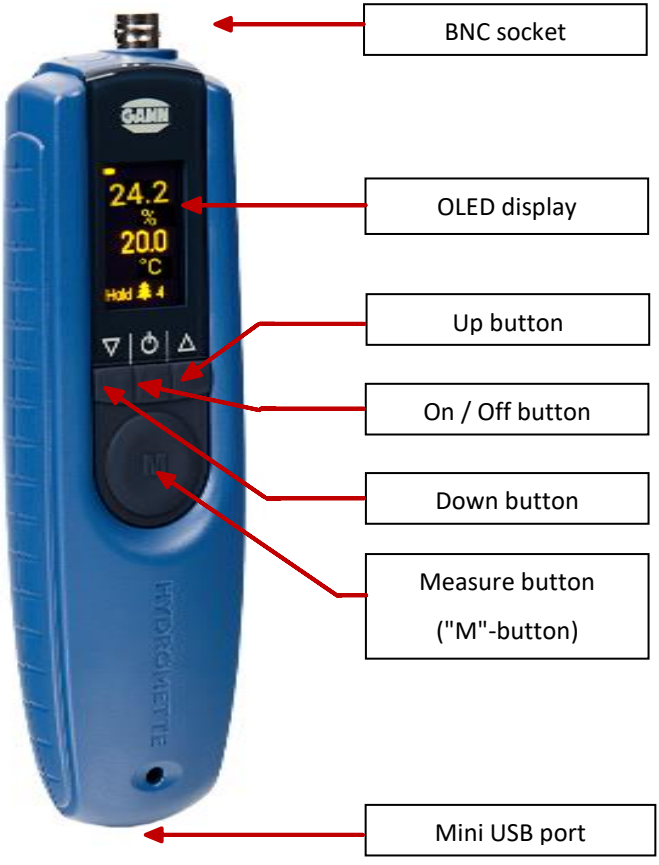


Figure 2-1: Front view of the Hydromette BL H 40-II

2.1 Display Symbols



Battery level indicator

Measured value in % by wt.

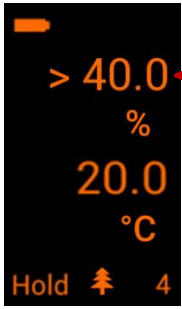
Wood temperature compensation in °C

"Hold" symbol; Measured value is held; Ready for measurement

Material ID

Wood symbol

Figure 2-2:
Main menu symbols



„>“ material-specific upper limit

Figure 2-3: Other symbols upper measuring range

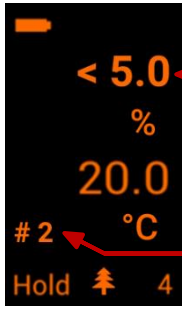


Figure 2-4: Other symbols for lower measuring range

2.2 Switching the Device On and Off



Figure 2-5: 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 H 40-II always starts in the last menu opened. When the device is started for the first time, the Hydromette starts in the basic measurement mode.

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 different wood species for the restistance measurement.
   - **Temp.:** Setting the wood temperature for compensation during resistance measurement.
   - **Brightness**: Setting the menu brightness.
   - **Language**: Setting the menu language.
   - **Alert**: Setting the limit value for an acoustic warning signal.
3. **Average value:** An average of up to five measurements can be output here.
4. **Batch:** Activation or deactivation of up to five measurements can be output here.
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 or wood species. Several species of wood are grouped in grades 1 to 7. The corresponding material assignment is made using the wood species table supplied with the device. The "Material selection" menu item is not available for batch measurements for which at least one measured value has

already been saved. This means that measurements of different materials cannot be saved in a list.

The following materials are available for **resistance measurement**:

Material designation	Material ID
Wood species 1	1
Wood species 2	2
Wood species 3	3
Wood species 4	4
Wood species 5	5
Wood species 6	6
Wood species 7	7

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. If limit values are exceeded or undercut, an acoustic alarm is emitted and a visualisation is shown on the display.

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.

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

3 Using the Hydromette BL H 40-II



When measuring wood moisture, the two measuring pins must be pushed / hammered into the wood to be measured at right angles to the fibre direction. Please refer also to the notes on wood moisture measurement in the full operating instructions.

Figure 3-1: Wood moisture measurement – perpendicular to direction of fibres

INFORMATION

For a reliable measurement result, the measurement button must be pressed for at least two seconds. If the material is very dry, the measuring button must be pressed for up to eight seconds.

INFORMATION

Do not completely drive in the electrode pins! To rule out the effects of surface moisture and avoid measurement errors, there should be a gap of at least 1–2 mm between the wood surface and the hexagon nut.



Figure 3-2:
Use of Teflon-insulated pins

-Subject to technical changes- Status: November 2026

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