Quick Start Guide

Version 2.0

GANN

HYDROMETTE

BL HT 70

EN

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Table of Contents

1 Foreword

This quick start guide contains an overview of the most important functions of the Hydromette BL HT 70. 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-ht-70#downloads

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

Please note: The version with the mini-USB port is valid from the manufacturers date - February 2025 - and firmware version 3.00.

INFORMATION

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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.
ℹ️ **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. There is also a risk of injury due to careless handling when piercing / knocking into the material to be measured. Before the electrode pins are pressed / driven 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

BNC-socket

3.5 mm - jack receptacle

LCD segment display

Up button

On / Off button

Down button

Measure button ("M"-button)

Mini-USB port **from February 2025**

Figure 2-1: Front view of the Hydromette BL HT 70

2.1 Display Symbols

	Material moisture in % by weight
	"Hold" symbol
	Compensation temperature in °C - manual
	Material index
	Wood symbol
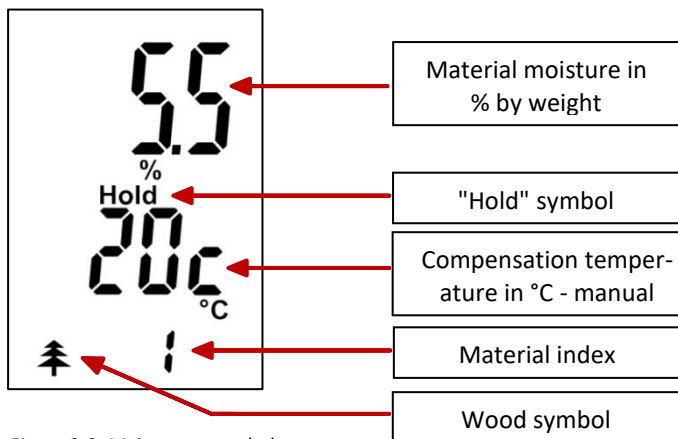
Figure 2-2: Main menu symbols

	Symbols for minimum / maximum value display
	Battery level indicator
	Compensation temperature in °C – external temperature sensor
	Ring memory symbol
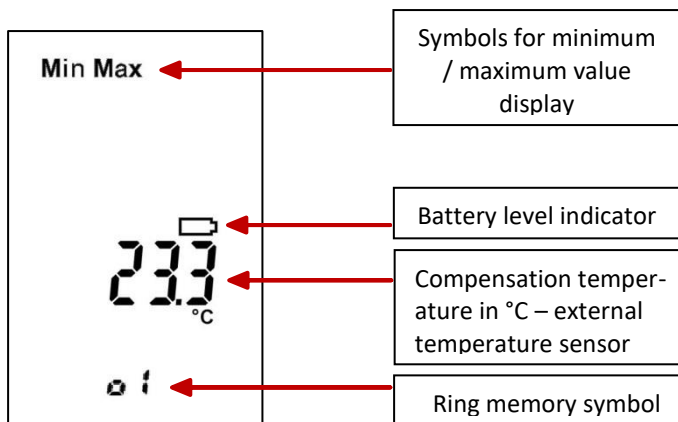
Figure 2-3: Other symbols

2.2 Switching the Device On and Off

The device is switched on and off by pressing the "**On / Off**" button $\textbf{\textcircled{1}}$. The device starts in the measuring menu or main menu. The measuring process can be carried out here (see Chapter 2.3.1 "Measurement menu (main menu").

	Last measured value in % by weight
	"Hold" symbol; Measured value is held; Ready for measurement
	Compensation temperature in °C - manual
	Material index
	Wood symbol

Figure 2-3: Main menu symbols

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2.3 Setting Menus

The following menu items can be selected one after the other by repeatedly pressing the "**Down**" button:

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

2. **Material Setting:** The material can be selected here.

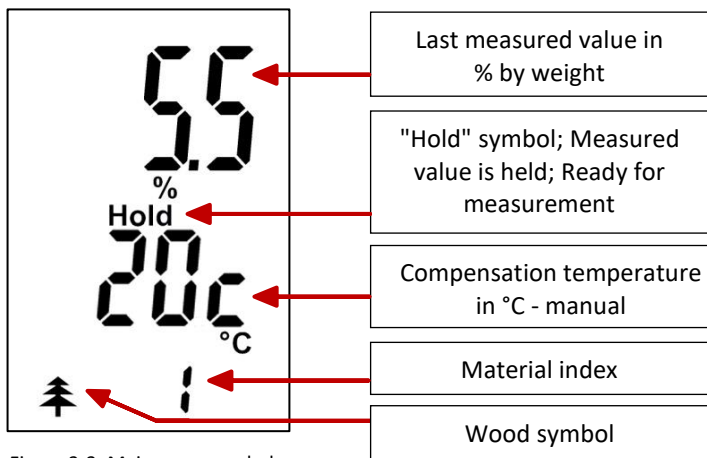3. **Compensation temperature:** The compensation temperature can be set here.

4. **Maximum value display:** The largest measured value is shown here.

5. **Minimum value display:** The smallest measured value is shown here.

6. **Memory Menu**: The last 5 measured values can be stored here. The oldest value is overwritten after each measurement**.**

The menu items are selected in reverse order by pressing the **"Up"** button.

2.3.1 Measuring Menu (Main Menu)

After switching on, the device is in the measuring menu (main menu). The other menus can be accessed from here by pressing the **"Up"** or **"Down"** buttons.

In the measuring menu, the last measured values are displayed according to the material selection made with the associated units and the note **"Hold"**.

Measurements are taken by pressing / driving the measuring pins into the material to be measured. A new measurement is started by pressing the **"M"** button *(> 2 seconds).*

During the measuring process, the **"Hold"** symbol disappears from the display. After releasing the **"M"** button, the measured value is held and automatically stored in the ring memory. This overwrites the oldest stored value. The **"Hold"** symbol is displayed again.

If the new measured value is larger than the previous maximum value, **"Max"** flashes on the display. If the new value should be accepted, the **"M"** button must be pressed *briefly (< 1 second).* If the value should not be saved, a new measurement can be started by pressing and holding *(> 2 seconds)* the **"M"** button without changing the previous maximum value.

If the new measured value is smaller than the previous minimum value, **"Min"** flashes on the display. If the new value should be accepted, the **"M"** button must be pressed *briefly (< 1 second).* If the value should not be saved, a new measurement can be started by pressing and holding *(> 2 seconds)* the **"M"** button without changing the previous minimum value.

If the measuring range of a selected material is exceeded or not reached, a flashing measured value warns you, which is also marked alternately with **"LO"** or **"HI"**.

2.3.2 Material Setting

To be able to make the material settings, the device must be switched on and in main measuring mode. Then press the **"Down"** button once to access the material settings. If you now want to change the setting for the material, press the **"M"** button *briefly (< 1 second)*.

The measuring mode display flashes and can be set using the **"Up"** and **"Down"** buttons. The change is saved by briefly *(< 1 second)* pressing the **"M"** button again.

After confirming the change, the display automatically jumps to the measuring menu of the (newly) selected material. This removes the values of the previous (measuring mode) material from the display. Any stored **"Max"** or **"Min"** values remain in the memory of the respective material.

Now a new measurement can be performed by pressing and holding *(> 2 seconds)* the **"M"** button.

The Hydromette BL HT 70 has a 7-level wood species correction. The setting for the wood to be measured is therefore taken from the **"1..7"** column. The measured value is displayed in weight-%. If the measured value is to be displayed in water content in %, the wood type is assigned to the material codes **"31…37"** accordingly.

A wood type table is enclosed with the instrument on delivery.

3 Appendix

3.1 Material-Table

		Display in:
1	Wood type 1	Wood moisture in weight % / atro
2	Wood type 2	
3	Wood type 3	
4	Wood type 4	
5	Wood type 5	
6	Wood type 6	
7	Wood type 7	
31	Wood type 1	Wood moisture in % of water content
32	Wood type 2	
33	Wood type 3	
34	Wood type 4	
35	Wood type 5	
36	Wood type 6	
37	Wood type 7	
t	Temperature measurement	°C

- Subject to technical changes-   Status: February 2025