Brennenstuhl 1298680

Brennenstuhl MD Humidity Detector User Manual

Model: 1298680

1. PRODUCT OVERVIEW

The Brennenstuhl MD Humidity Detector is a battery-operated device designed for quick and easy determination of moisture levels in various materials. It features a large LCD display for clear readings, an acoustic signal (which can be deactivated), and a "Hold" function for convenience in hard-to-reach areas. The robust, ergonomic housing ensures durability and comfortable handling, even when wearing gloves. The device automatically shuts off after 3 minutes of inactivity to conserve battery life.

2. SAFETY INFORMATION

- Always handle the device with care. The measuring pins are sharp and can cause injury.

- Keep the protective cap on the measuring pins when the device is not in use.

- Do not attempt to measure live electrical circuits. This device is not designed for electrical measurements.

- Keep the device away from water and excessive humidity to prevent damage.

- Do not expose the device to extreme temperatures or direct sunlight.

- Ensure correct battery polarity when installing or replacing batteries.

- Dispose of used batteries according to local regulations.

- This device is not a toy. Keep out of reach of children.

3. PRODUCT COMPONENTS

The Brennenstuhl MD Humidity Detector consists of the following main components:

- **Measuring Pins:** Two sharp metal pins for insertion into the material.

- **Protective Cap:** Covers the measuring pins when not in use.

- **LCD Display:** Large screen showing moisture percentage and other indicators.

- **Power Button:** Turns the device on and off.

- **Mode Button:** Switches between wood and building material measurement modes.

- **Hold Button:** Freezes the current reading on the display.

- **Acoustic Signal Button:** Toggles the audible alert on/off.

- **Battery Compartment:** Located on the back, for a 9V battery.

Mit Schutzkappe
Protective cap

Messbereich von 5 -50% für Holz, bei Baustoffen 1,5 - 33%
Measuring range from 5 -50% for wood, 1.5 - 33% for building materials

Anzeige auf einem großen LCD-Display
Display on a large LCD display

Figure 1: Front view of the MD Humidity Detector with key features labeled.

Moisture Level	🪵 5 - 50%	🧱 1,5 - 33%
💧 Low	5 - 11,9%	1.5 - 16,9%
💧💧 Medium	12 - 15,9%	17 - 19,9%
💧💧💧 High	16 - 50%	20 - 33%

MD Art. 1 29868 0
H. Brennenstuhl GmbH & Co. KG,
Seestr.1-3, D-72074 Tübingen
0458436

Robustes, ergonomisches Gehäuse
Robust, ergonomic housing

Separates Fach für 9-V-Blockbatterie
Separate compartment for 9 V monobloc battery

Figure 2: Rear view of the MD Humidity Detector, highlighting the battery compartment.

4. SETUP

4.1 Battery Installation

The Brennenstuhl MD Humidity Detector requires one 9V battery (not included) for operation.

1. Locate the battery compartment cover on the back of the device (refer to Figure 2).
2. Slide the cover downwards to open the compartment.
3. Insert a new 9V battery, ensuring the correct polarity (+ and - terminals match the markings inside the compartment).
4. Close the battery compartment cover by sliding it back into place until it clicks securely.

The device features a low battery indicator on the LCD display. Replace the battery when this indicator appears to ensure accurate measurements.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To turn on the device, press the **Power button**. The LCD display will illuminate.

- To turn off the device, press and hold the **Power button**. The device will also automatically shut off after approximately 3 minutes of inactivity.

5.2 Preparing for Measurement

1. Carefully remove the protective cap from the measuring pins. Store the cap in a safe place.
2. Press the **Mode button** to select the appropriate material type:
   - **Wood:** For measuring moisture in wood.
   - **Building Materials:** For measuring moisture in materials like concrete, bricks, plasterboard, etc.

5.3 Taking a Measurement

1. Gently but firmly press the measuring pins into the surface of the material you wish to test. Ensure both pins penetrate the material for an accurate reading.
2. Read the moisture percentage displayed on the LCD screen.
3. If the acoustic signal is enabled, it will provide an audible indication of moisture levels.
4. To hold a reading on the display, press the **Hold button**. This is useful for taking measurements in locations where the display is not easily visible. Press the button again to release the hold function.
5. After taking the measurement, carefully withdraw the pins from the material.
6. Always replace the protective cap over the measuring pins after use to prevent damage and injury.

Figure 3: Measuring moisture in a wall.

Figure 4: Measuring moisture in wood.

5.4 Understanding Readings

The device displays moisture content as a percentage. The resolution is 0.1%. Refer to the table below for general guidance on moisture levels:

Moisture Level	Wood (%)	Building Materials (%)
Low	5 - 11.9%	1.5 - 16.9%
Medium	12 - 15.9%	17 - 19.9%
High	16 - 50%	20 - 33%

Note: These ranges are general guidelines. Optimal moisture levels can vary depending on the specific material and application.

5.5 Product Demonstration Videos

Your browser does not support the video tag.

Video 1: A demonstration of the Brennenstuhl MD Humidity Detector, showcasing its features and ease of use. This video provides a real impression of the product in action.

Your browser does not support the video tag.

Video 2: Another demonstration of the Brennenstuhl MD Humidity Detector, illustrating its functionality and practical application for moisture detection.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Always ensure the protective cap is on the measuring pins during storage.

- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears on the display. Remove

the battery if the device will not be used for an extended period to prevent leakage.

- **Pin Condition:** Periodically check the measuring pins for damage or corrosion. Damaged pins may affect measurement accuracy.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed battery.	Check battery polarity or replace with a new 9V battery.
Inaccurate or inconsistent readings.	Pins not fully inserted; incorrect material mode selected; damaged pins; low battery.	Ensure pins are fully inserted. Select correct material mode. Check pins for damage. Replace battery if low.
Acoustic signal not working.	Acoustic signal is turned off.	Press the Acoustic Signal button to toggle it on.
Display shows "LOBAT" or similar.	Low battery.	Replace the 9V battery immediately.

8. TECHNICAL SPECIFICATIONS

- **Model:** 1298680
- **Measuring Range (Wood):** 5% to 50%
- **Measuring Range (Building Materials):** 1.5% to 33%
- **Resolution:** 0.1%
- **Power Supply:** 1 x 9V battery (Lithium Ion recommended, not included)
- **Automatic Shut-off:** Approximately 3 minutes after last use
- **Product Dimensions:** 2.56" (W) x 0.98" (H) *(Note: This dimension likely refers to a specific part or depth, not the overall device size.)*
- **Item Weight:** 0.16 kg (5.6 ounces)
- **Operating Humidity:** 1% - 40% (non-condensing)
- **Upper Temperature Rating:** 55°C
- **Included Components:** MD Humidity Detector (without battery)
- **Material:** Plastic
- **Color:** Grey
- **UPC:** 772040470715

9. WARRANTY AND SUPPORT

Brennenstuhl products are manufactured to high-quality standards. This product has an EU spare part availability duration of 2 years, indicating support for replacement parts within this period in the European Union.
For specific warranty details, technical support, or service inquiries, please refer to the official Brennenstuhl website or contact their customer service directly. Keep your purchase receipt as proof of purchase.