

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

> [Aicevoos](#) /

> [Aicevoos N5 Digital Moisture Meter Instruction Manual](#)

## Aicevoos N5

# Aicevoos N5 Digital Moisture Meter Instruction Manual

Model: N5 | Brand: Aicevoos

## 1. INTRODUCTION

The Aicevoos N5 Digital Moisture Meter is a portable, pen-type device designed for quick and accurate measurement of moisture content in various materials, including wood and building materials. Equipped with a backlit LCD display and high-precision pins, it provides reliable readings for professionals and homeowners alike. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your N5 moisture meter.





Figure 1: Aicevoos N5 Digital Moisture Meter. This image shows the compact, pen-type design of the meter with its digital display and control buttons.

## 2. SAFETY INFORMATION

---

- The measurement pins are sharp. Handle with care to avoid injury. Keep out of reach of children.
- Do not attempt to measure live electrical circuits. This device is not designed for electrical testing.
- Do not expose the device to extreme temperatures, high humidity, or direct sunlight.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Use only the specified battery type (2x 1.5V AAA). Ensure correct polarity during installation.

## 3. PACKAGE CONTENTS

---

Please check the package contents upon receipt. If any items are missing or damaged, contact your

retailer.

- Aicevoos N5 Digital Moisture Meter
- Protective Cap for Pins
- User Manual (this document)

## 4. PRODUCT OVERVIEW

---

Familiarize yourself with the components of your N5 moisture meter:



Figure 2: Labeled components of the N5 Moisture Meter. Key parts include the probe, protective cover, MAX button, Material selection (M) button, On/Off button, display screen, and battery compartment.

- **Probe:** Two high-precision stainless steel pins for measurement.
- **Protective Cover:** Covers the pins when not in use.
- **MAX Button:** Toggles between maximum and minimum measurement display.
- **M (Material Selection) Button:** Cycles through the 7 available material calibration scales.
- **On/Off Button:** Powers the device on or off.
- **Display Screen:** Backlit LCD for clear reading of moisture values, material mode, and battery status.
- **Battery Compartment:** Located at the bottom, holds 2x 1.5V AAA batteries.

## 5. SETUP

---

### 5.1 Battery Installation

1. Twist and remove the battery compartment cover at the bottom of the device.
2. Insert two (2) 1.5V AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
3. Replace the battery compartment cover and twist to secure it.

## 6. OPERATING INSTRUCTIONS

---

### 6.1 Powering On/Off

- To power on the device, press the red **On/Off** button. The LCD display will illuminate.
- To power off the device, press and hold the red **On/Off** button for a few seconds.
- The device features an automatic shutdown function after 10 minutes of inactivity to conserve battery

life. This can be cancelled for continuous measurement if needed (refer to advanced settings, if available, or assume it's a fixed feature).

## 6.2 Material Selection

The N5 meter has 7 pre-calibrated scales for different materials. Press the blue **M** button to cycle through these material modes (M1 to M7) until the desired material type is displayed.



Figure 3: Material Calibration Scales. This table details the 7 material types the N5 meter can measure, along with their respective moisture content ranges and accuracy.

### Material Calibration Scales

Material Mode	Material Type	Measurement Range	Accuracy
Material 1	Beech, Spruce, Larch, Birch, Cherry, Walnut	8.8 ~ 54.8%	±2%
Material 2	Oak, Pine, Maple, Ash, Douglas Fir, Eucalyptus	6.8 ~ 47.9%	±2%
Material 3	Cement Mortar Layer, Concrete	0.9 ~ 22.1%	±2%
Material 4	Anhydrous Gypsum Mortar Layer	0.0 ~ 11.0%	±2%
Material 5	Cement Mortar	0.7 ~ 8.6%	±2%
Material 6	Lime Mortar, Gypsum	0.6 ~ 9.9%	±2%
Material 7	Brick	0.0 ~ 16.5%	±2%

## 6.3 Taking Measurements

1. Ensure the correct material mode is selected (refer to 6.2).
2. Carefully remove the protective cap from the pins.
3. Firmly insert the two measurement pins into the surface of the material you wish to test. Ensure both pins penetrate the surface adequately for accurate contact.

4. Read the moisture content percentage displayed on the LCD screen.
5. After measurement, gently withdraw the pins and replace the protective cap.



Figure 4: Measuring moisture in wood. The meter's pins are inserted into a log to obtain a reading.



## CONCRETE MOISTURE MEASUREMENT

*Material 3* Cement mortar layer, concrete

Range: 0.9~24.5% accuracy  $\pm 2\%$

Figure 5: Measuring moisture in concrete. The meter is shown with its pins inserted into a concrete surface, displaying a reading for Material 3.

### 6.4 MAX/MIN Measurement

Press the blue **MAX** button to view the maximum or minimum moisture reading recorded during a measurement session. This is useful for identifying the highest or lowest moisture points in a tested area.

### 6.5 Backlight Function

The LCD display is equipped with a backlight, ensuring clear readability of measurements even in low-light conditions.



Figure 6: HD Backlight feature. The image illustrates the meter's display illuminated, making readings visible in dark environments.

## 7. MAINTENANCE

---

### 7.1 Cleaning

- Wipe the device body with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the measurement pins are clean and free of debris after each use.

### 7.2 Storage


- Always replace the protective cap over the pins when the device is not in use to prevent damage and injury.
- Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the batteries to prevent potential leakage and damage to the device.


## 8. TROUBLESHOOTING

---


### 8.1 Low Battery Indication

If the battery voltage is lower than the working voltage, a battery symbol will appear on the display. Replace the batteries promptly to ensure accurate readings and continued operation.







**Material 1**  
Beech, spruce, larch, birch  
Cherry, walnut  
Range: 8.8 ~ 54.8% accuracy  $\pm 2\%$




**Material 2**  
Oak, pine, maple, ash  
Douglas fir, Eucalyptus  
Range: 6.8~47.9% accuracy  $\pm 2\%$




**Material 3**  
Cement mortar layer, concrete  
Range: 0.9~22.1% accuracy  $\pm 2\%$




**Material 4**  
Anhydrous gypsum mortar layer  
Range: 0.0~11.0% accuracy  $\pm 2\%$



**Material 5**  
cement mortar  
Range: 0.7~8.6% accuracy  $\pm 2\%$



**Material 6**  
Lime mortar, gypsum  
Range: 0.6~9.9% accuracy  $\pm 2\%$



**Material 7**  
brick  
Range: 0.0~16.5% accuracy  $\pm 2\%$

Figure 7: Low battery prompt. The image shows the meter's display indicating a low battery status, prompting the user to replace batteries.

## 8.2 Inaccurate Readings

- Ensure the correct material mode is selected for the material being tested.
- Verify that the pins are fully inserted into the material and making good contact.
- Check battery level; low batteries can affect accuracy.
- Clean the pins if they appear dirty or corroded.

## 8.3 Device Not Powering On

- Check if the batteries are installed correctly with the right polarity.
- Replace the batteries with new ones.
- Ensure the On/Off button is pressed firmly.

## 9. SPECIFICATIONS

Feature	Specification
Model	N5
Measuring Material	7 types (Wood, Cement Mortar, Concrete, Gypsum, Brick)
Humidity Measurement Range	0% to 58% (overall, specific ranges per material)
Humidity Measurement Accuracy	$\pm 2\%$
Screen Display	LCD screen with backlight
Maximum Measurement	Yes
Minimum Measurement	Yes

Feature	Specification
Automatic Shutdown	Yes (after 10 minutes, cancellable)
Power Supply	2 × 1.5V AAA battery
Dimensions	160 x 29 x 30 mm (approximate)
Weight	100 g (without batteries)

## 10. WARRANTY AND SUPPORT

Specific warranty information for the Aicevoos N5 Digital Moisture Meter may vary by region and retailer. Please refer to the documentation provided at the time of purchase or contact your retailer for details regarding warranty coverage and claims.

For technical support or further assistance, please contact the Aicevoos customer service department or your product retailer. Keep your purchase receipt and product model number (N5) handy when seeking support.