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› Laserliner MoistureFinder Compact 082.322A Material Moisture Meter User Manual

Laserliner 082.322A

Laserliner MoistureFinder Compact 082.322A Material Moisture Meter User Manual

Model: 082.322A | Brand: Laserliner

1. INTRODUCTION

Thank you for choosing the **Laserliner MoistureFinder Compact 082.322A**. This device is designed for non-destructive measurement of moisture content in various materials, including wood and building materials. Utilizing a capacitive measurement process, it provides accurate readings without causing damage to the surface. Its user-friendly interface allows for easy material selection and immediate moisture percentage display. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device.

2. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before using the device to ensure safe operation and prevent damage.

- Keep the device away from moisture and direct sunlight.
- Do not expose the device to extreme temperatures or strong vibrations.
- Do not open the device casing. Repairs should only be performed by authorized personnel.
- Ensure batteries are inserted with correct polarity. Remove batteries if the device will not be used for an extended period.
- Keep the device out of reach of children.
- This device is intended for measuring material moisture. Do not use it for any other purpose.

3. PRODUCT OVERVIEW

The Laserliner MoistureFinder Compact 082.322A is a handheld device designed for quick and easy moisture detection.



Laserliner®



DRY  WET

MODE

HOLD



MoistureFinder Compact



Figure 1: Front view of the Laserliner MoistureFinder Compact 082.322A. The device features a digital display showing moisture percentage and material type, an LED bar indicator for dry/wet status, and two control buttons labeled "MODE" and "HOLD", along with a power button. The brand "Laserliner" is visible at the top, and "MoistureFinder Compact" at the bottom.

Key Features:

- **Non-destructive Measurement:** Utilizes a capacitive method to measure moisture without damaging the material surface.
- **Material Selection:** Offers 4 selectable material characteristics for accurate readings:
 - Soft wood types (e.g., spruce, pine, lime)
 - Hard wood types (e.g., beech, oak, birch)
 - Plaster
 - Cement screed
- **LED Wet/Dry Indicator:** A 12-segment LED bar (green = dry, yellow = damp, red = wet) provides immediate visual feedback on moisture levels.
- **Audible Alarm:** An acoustic signal sounds when high moisture levels are detected (red LED indication).
- **Hold Function:** Freezes the current measured value on the display for convenient reading.
- **Automatic Shutdown:** Conserves battery life by automatically turning off the device after 2 minutes of inactivity.
- **Low Battery Indicator:** Alerts the user when battery replacement is needed.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Open the cover by sliding or unscrewing it, depending on the design.
3. Insert the required batteries (refer to device markings for type) ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Initial Power-On

Press the power button () located on the front of the device to turn it on. The display will illuminate, and the device will be ready for use.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To turn on: Press the orange power button ().
- To turn off: Press and hold the power button () for a few seconds, or allow the automatic shutdown function to activate after 2 minutes of inactivity.

5.2 Selecting Material Type

The device offers four material characteristics for accurate measurement. It is crucial to select the correct material type before taking a reading.

1. Press the **MODE** button repeatedly to cycle through the available material types on the display.
2. The display will show the currently selected material, such as "SOFT WOOD", "HARD WOOD", "PLASTER", or

"CEMENT SCREED".

3. Stop pressing the **MODE** button when the desired material type is displayed.

5.3 Performing a Measurement

1. Ensure the correct material type is selected (refer to Section 5.2).
2. Place the measurement sensor (the back surface of the device) flat against the surface of the material you wish to measure.
3. The moisture percentage will be displayed on the screen. The measurement is non-destructive and does not require piercing the material.

5.4 Interpreting the LED Indicator and Audible Alarm

The device features a 12-segment LED bar and an audible alarm to provide quick visual and auditory feedback on moisture levels.

- **Green LEDs:** Indicate a dry or acceptable moisture level.
- **Yellow LEDs:** Indicate a damp or elevated moisture level.
- **Red LEDs:** Indicate a wet or critically high moisture level. When red LEDs illuminate, an audible alarm will also sound, signaling significant moisture presence.

5.5 Using the Hold Function

The Hold function allows you to freeze the current measurement on the display, which is useful when measuring in hard-to-reach areas.

- While a measurement is being taken, press the **HOLD** button.
- The displayed value will be frozen.
- Press the **HOLD** button again to release the value and resume live measurement.

6. MAINTENANCE

6.1 Cleaning the Device

- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no moisture enters the device casing.

6.2 Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in Section 4.1. Dispose of used batteries according to local regulations.

6.3 Storage

Store the device in a dry, dust-free environment, away from extreme temperatures and direct sunlight. Remove batteries if storing for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly inserted batteries.	Check battery polarity or replace batteries.
Inaccurate or inconsistent readings.	Incorrect material type selected; sensor not flat on surface; external interference.	Ensure correct material type is selected. Place the sensor firmly and flat against the surface. Avoid measuring near strong electromagnetic fields.
Low battery indicator is on.	Batteries are low.	Replace batteries.
Audible alarm sounds continuously.	High moisture content detected.	This indicates a genuinely wet material. If unexpected, re-evaluate the measurement area.

8. SPECIFICATIONS

- **Model:** MoistureFinder Compact 082.322A
- **Brand:** Laserliner
- **Measurement Principle:** Capacitive, non-destructive
- **Material Characteristics:** 4 selectable (Soft Wood, Hard Wood, Plaster, Cement Screed)
- **Display:** Digital LCD with percentage, material type, and battery indicator
- **Moisture Indicator:** 12-segment LED bar (Green, Yellow, Red)
- **Audible Alarm:** Yes, for high moisture levels
- **Hold Function:** Yes
- **Automatic Shutdown:** After approx. 2 minutes of inactivity
- **Power Source:** Battery
- **Batteries Included:** Yes
- **Housing Material:** Metal
- **Dimensions (L x W x H):** 31.5 x 19.5 x 5.5 cm
- **Weight:** 215 grams

9. WARRANTY AND SUPPORT

The Laserliner MoistureFinder Compact 082.322A comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or warranty claims, please contact your retailer or the official Laserliner customer service. Contact information can typically be found on the manufacturer's website or in the product packaging.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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