80.00 mm

120.00 mm

EMC&LVD

Moisture Meter

User Manual

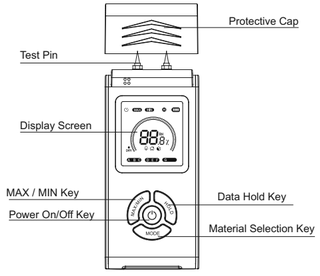


EN-00302S-01

⚠ Please read this manual carefully before using the meter and keep it properly for future reference.

Introduction

This is a pin-type material moisture meter, commonly used to measure the moisture content of wood or construction materials. Built-in with characteristic parameters of 7 different types of wood and construction materials, it is applicable to scenarios such as building material acceptance, agricultural planting, and warehousing quality inspection, featuring simple operation and efficient testing.



Display

Display Symbols	Explanation	Display Symbols	Explanation
	Auto power -off enabled	H	Data hold enabled
MAX	Maximum value	MIN	Minimum value
MID	MID	RH%	Moisture Unit
WET	WET		Power display
DRY	DRY	A	Seven Material Categories



Operation

A. Precautions

- Cover the test pin with the protective cap when not in use to avoid scratches from the sharp pin.
- Do not store or operate the meter in high-temperature or high-humidity areas.
- Do not store the meter together with corrosive substances such as solvents and acids.
- Remove the battery before long-term storage to prevent battery leakage from damaging the meter.

B. Taking Measurements

1. Take off the protective cap of the meter.
2. Press [⏻] key to turn on the meter.
3. After power-on, the meter will start displaying readings and enter the measurement mode.
4. Press the " [MODE] " key to select the appropriate material category. Hold the meter and insert the two pins into the material with proper force.
5. Read the final measured value when reading is stable.
6. Long press the [⏻] key to turn off the meter.

C. Data Hold

Press [HOLD] Key once to activate the data hold function. Press [HOLD] again to deactivate the function and return to normal measurement mode.

D. Max / Min

1. Press the " [MAX MIN] " button once to enter MAX/MIN mode. The meter will display the highest reading recorded while the function is enabled. The "MAX" icon will appear on the display.
2. Press the " [MAX MIN] " button again to display the lowest reading that occurs while the function is enabled. The"MIN" icon will appear in the display.
3. Press and hold the " [MAX MIN] " key to return to normal measurement mode .

E. Material Category Selection

Press [MODE] key to switch among the seven material categories for measurement (Refer to Section J).

F. Auto Power Off

This meter has an automatic power-off function. The figure " ⏻ " displayed on LCD indicates this function is enabled. It will be powered off in 10 minutes without any operation.

To cancel this function, follow the steps as below: Before turning on this meter, press " [MODE] " and keep holding. Then press " [⏻] " with another finger. Finally release both buttons at the same time to turn on this meter." ⏻ " will not be showen on display, which means Automatic Power Off has been cancelled.

When this meter is restarted, Automatic Power Off will be enabled again.

G. Technical Reference

Material A	measuring range: 8.8 ~ 54.8%
Material B	measuring range: 7.0 ~ 47.9%
Material C	measuring range: 0.9 ~ 22.1%
Material D	measuring range: 0.0 ~ 11.0%
Material E	measuring range: 0.7 ~ 8.6%
Material F	measuring range: 0.6~ 9.9%
Material G	measuring range: 0.1 ~ 16.5%

Measurement Accuracy	±2%
Operating Environment	-10~50°C/20~90% RH
Storage Environment	-10~50°C/20~90% RH
Auto Power off	10 minutes
Power	3 ×1.5V AAA alkaline batteries
Size	58.6×27.6×142mm
Weight	111g

H. LCD Color Display

The LCD screen will display the water content level of the material, and the backlight color will be activated accordingly.When "DRY" is displayed on the LCD, it indicates low moisture, and the green backlight will be activated."MID" displayed on LCD indicates Moderate moisture, yellow backlight will be activated."WET" displayed on LCD indicates High moisture, red backlight will be activated.

Moisture Alarm Comparison Table			
Moisture Content Level	DRY	MID	WET
Material A	<15%	≥15%/<24%	≥24%
Material B	<14%	≥14%/<22%	≥22%
Material C	<2%	≥2%/<4%	≥4%
Material D	<1%	≥1%/<2%	≥2%
Material E	<2%	≥2%/<3%	≥3%
Material F	<1%	≥1%/<2%	≥2%
Material G	<1%	≥1%/<3%	≥3%

Pressing any key will turn on the backlight. It will turn off automatically after 2 minutes of inactivity.

I. Material Comparison Table

Type	Display
Material A	Beech, Spruce, Larch, Birch, Cherry, Walnut
Material B	Oak, Pine, Maple, Ash, Douglas Fir, Eucalyptus
Material C	Cement Mortar Layer, Concrete
Material D	Anhydrous Gypsum Mortar Layer
Material E	Cement Mortar
Material F	Lime Mortar, Gypsum
Material G	Brick Block

Maintenance

A.Replace Battery

Replace the batteries promptly when the " ▭ " appears on the display.

1. Open the battery compartment cover of the meter.
2. Remove the old batteries from the battery compartment.
3. Refer to the "+/-" markings inside the battery compartment (or on the battery cover), and insert the new batteries into the compartment smoothly according to the correct polarity.
4. Ensure the batteries are installed securely, then put the cover back in place.

B. Meter Cleaning

⚠ **CAUTION**

1. Do not use corrosive agents or solvents to clean the meter, as this may cause damage.
2. Clean the instrument regularly using a soft cloth slightly dampened with detergent or a dedicated cleaning solution.