Contents

1. ⚠ Safety

Read the following safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the readings provided by the meter may be impaired.

◆ Working environment conditions:

1) Operating Temperature: 0℃~50℃/32℉~122℉
2) Operating Humidity: 0%~85%

◆ Maintenance:

(1) Periodically wipe the body with a dry cloth. Do not use abrasives or solvents on this instrument.

(2) Do not store it in the following environments:

a) near water or dusty areas
b) areas of high salinity, sulfur or other chemical substances
c) high temperature and high humidity

◆ Safety Symbol: CE Comply with EMC

2. Application

This moisture meter is designed for testing moisture levels in wood and building materials. Combining the micro controller technology and integrated characteristics for 4 material groups increases the accuracy of measurement. It is widely used for measuring the moisture level in the woods, bamboo, paper, wood fiber articles and building materials in the rough professional environment.

3. Features

- Use on wood, drywall, sheet rock, cardboard, plaster, concrete, and mortar, etc.
- Big LCD display with backlight
- Replaceable electrode pins
- 2-in-1 Digital LCD readout and analog bar graph
- Simultaneous measurement and display of moisture & temperature readings
- Materials selection measurements
- MAX/MIN/DATA Hold
- Auto power off

4. Specifications

Electrode length	10mm (replaceable)
Moisture Range	Wood: 5~70%RH
	Building materials: 0.1~2.4%RH
Temp. Range	-20~70℃/-4~158℉
Moisture Accuracy	Wood:0~30%: ±1% 30~60%: ±2% 60~70%: ±4%
	Other materials: ±0.5%
Temp。Accuracy	-20~70℃/-4~158℉: ±1.5℃/2.7℉
Auto Power Off	Meter shuts off automatically after 120 seconds of inactivity
Power Supply	One 9V battery
Operating Temp.	0~50℃/32~122℉
Operating Humidity	0~85 %RH
Size	163*62*30mm
Weight	153g(with battery)

Note:

1. This moisture meter has temperature compensation function. Allow a waiting time of 30 minutes if the meter is moved from two very different temperatures. This will allow the meter to adjust to the environment and provide more accurate readings.

2. When testing wood, insert the pins into the wood perpendicular to the wood's fiber structure. The test data from pins perpendicular to the wood's fiber structure (across the grain) is the most accurate reading. Always test data from pins perpendicular to the wood's fiber structure.

5. Meter Description

① Protective cap (to remove easily; push cap in a backwards fashion, do not try to pull it off)

② Measurement electrode pins

③ LCD display

④ Power On/Off key

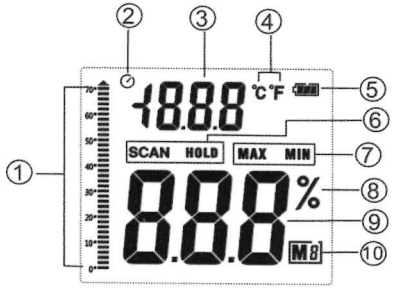
⑤ Backlight key (hold down to turn on, tapping the key will activate the "Hold" function)

⑥ ℃/℉ conversion key

⑦ MODE key

⑧ MAX/MIN key

6. LCD Display Description



① Graphical display of moisture level
② Auto power Off icon
③ Numerical reading of ambient temperature
④ ℃/℉ icon
⑤ Low battery icon
⑥ SCAN and HOLD icon
⑦ MAX and MIN icon
⑧ Moisture unit
⑨ Numerical reading of moisture level
⑩ Material mode icon

7. Operating Instruction

7.1 Open the battery cover and install a 9V battery (battery type: 006P or NEDA1604 or IEC6F22) in the battery compartment.

7.2 Power on the meter, and then select the suitable measurement mode according to the object to be measured. Please refer to the material table in the last page.

7.3 Remove the protective cap to expose the electrode pins, carefully push the electrode pins as far as possible into the materials under test. Take several readings in several locations on the material for the best representation of the amount of moisture present. The measured values will be displayed on the LCD.

7.4 When the low battery icon""appears, replace the meter's battery.

8. Button Functions

8.1  Power On/Off key

Press this key to power on or power off the meter.

8.2  Temperature unit conversion

When the meter is on, press this key to switch temperature unit ℃ or ℉.

8.3  Backlight On/Off key

In measurement mode, press this key momentarily to switch the SCAN or HOLD mode, long press this key to turn on/off the backlight.

8.4  MODE Key

When the meter is on, press the MODE key to select the suitable measurement mode according to the object to be measured. (Please refer to the material table in the last page)

8.5  MAX/MIN Key

In measurement mode, pressing this key will enter into MAX or MIN mode. Press this key momentarily, MAX icon will appear on the LCD, which indicates the current maximum reading; press this key again to enter into MIN mode, which indicates the current minimum reading. Press this key once again to back to the normal SCAN measurement mode.

9. Notes

(1) This meter has already been calibrated before delivery. Please do not revise the calibration parameters without professional equipment and qualified personnel.

(2) Remove the battery if the meter will not be used for long time in case the leaky battery damages the meter.

(3) Do not allow the instrument and the pins to touch any corrosive liquid to avoid damage.

(4) The electrode measurement pins are extremely sharp. Use carefully when handling this instrument. Cover the pins with the protective cap when the instrument is not in use.

10. Accessories

1 x Carry pouch

1 x User manual

1 x 9V battery

11. Material Table

Wood		
M1		
Abachi	Abura	African mahogany
Agba	Andiroba	Ash-American
Alder	Aspen	Alder-red,black
Aiele	Ash	Ash-Japanese
Beech	Board	Basralocus
Birch	Black Afara	Beech-European
Balsa	Cedar	Cupressus lusitanica
Campeachy	Common beech	Chestnut sweet,red
Dabema	Douka	Douglas fir
Ebiara	Ebony	Emien
Elm	Guanandi	Hickory silver poplar
Hornbean	Hickory poplar	Hombeam white
Iroko	Izombe	Jarrah
Juniper	Kapok	Karri
Lpe	Limba	Logwood
Maple	Mockernut	Niangon
Niove	Okoume	Oak-holm

Oak	Parana pine	Patagonian cypress
Pear wood	Purple heart	Rio rosewood
Red Oak	Rosewood	Red birch
Southern pine	Small-leaved lime	Small-leaved lime-American
Tree Health	Teak	White hombeam
Willow	White Oak	Walnut tree
Yellow birch		
M2		
Cherry wood	Common aspen	Cherry mahogany
Cypress,red	Carpet	Durmast oak
Damson wood	Elm	English Oak
Fibre board	Kosipo	Kaurane Particleboard
Larch	Limba	Mahogany
Maritime pine	Paper	Pine
Plum wood	Poplar	Red sandalwood
Swiss pine	Textiles	Walnut

White beech	Wood fibre board	Western red cedar
White poplar	White birch	White maple

M3		
Afrormosla	Cork	Drywall
Imbuia	Kokrodua	Melamine particle board
Niove Bidinkala	Rubber tree	Sheetrock
Tola-real,red	Phenolic resin particle board	
M4 (Building materials)		
Concrete		