Spherical sensor+ Pin Probe Moisture Meter

OPERATION MANUAL

Model no.:MS-98U4

Specifications

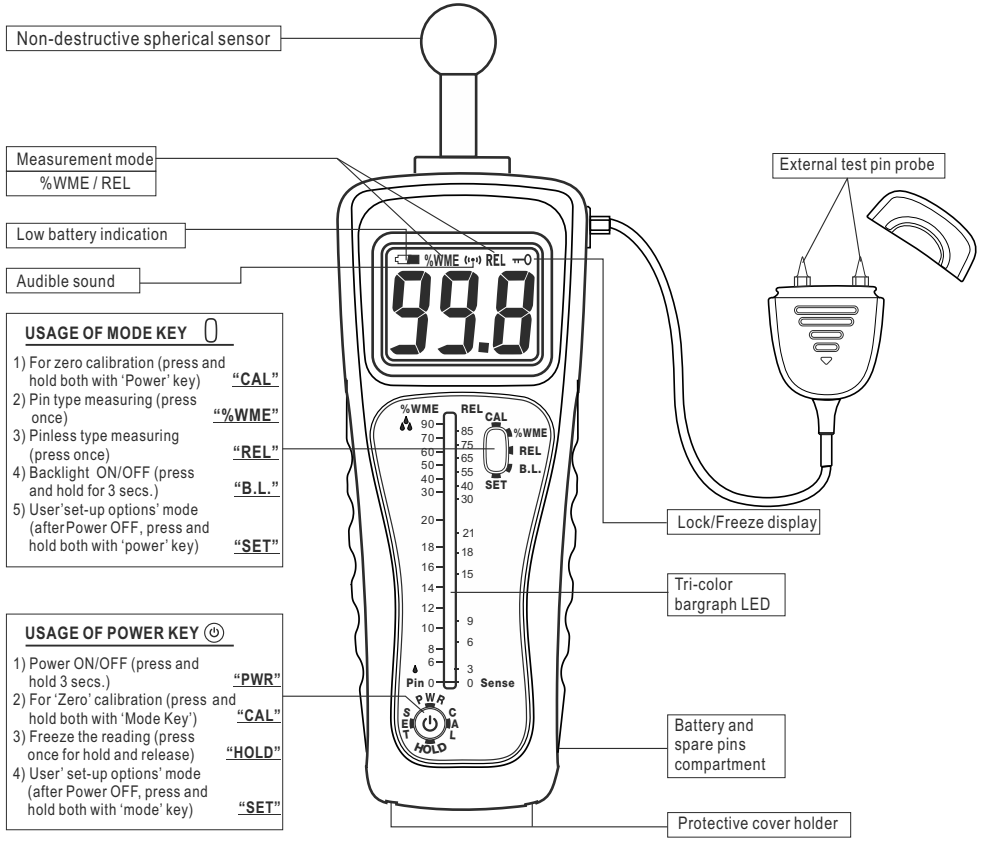
- Operating voltage: 1x 9V DC alkaline type (6F22 / 6LR61 /1604)
- Operating current: < 70mA max.
- Low battery indication: < 6.5V, icon '▭' display
- Extreme low battery: Auto Power Off when below 5.5V within < 10 secs.
- Display: a) Large 0- 99.9 LCD with backlight display b) Green; Yellow; Red Tri-Color dot LED display
- Resolution: a) 0.1% (LCD) b) 40 dot (LED)
- Accuracy: a) Pin Probe mode: ±(5% rdg +5 digits) b) Pinless mode: Relative reading
- Measuring range: 6.0-87.6 %WME or 0.1-99.9 REL
- Operating temperature: 0 °C ~50 °C (32 °F ~ 122 °F)
- Operating humidity: 80% RH max.
- Non-destructive measuring depth: 4.0 inches max.

Advanced features:

- Dual type measurement: a) Pin Probe mode (%WME) b) Spherical mode (REL)
- External output jack for Pin type measurement
- Spare pins compartment
- Replaceable spherical probe
- Auto zero calibration
- Hold / Freeze display function
- User set-up options i.e. audible sound; backlight; auto power off

How to replace battery:

Replace 9V alkaline block type battery when low battery warning '▭' indicates on LCD.
Remove the battery cover and replace a fresh battery.



Introduction

MEET's moisture meter MS-98U4 integrated with non-destructive spherical type sensor and a wired remote pin type sensor.

Usage of non-destructive spherical type sensor is the only choice for estimating the moisture on surface with any angle and depth penetrate upto 4 inches of the wood or building materials by 'Relative' 'REL' readings.

If accurate readings are important, the remote pin type sensor measure the surface moisture (marred by pinholes, specially finished wood) by 'wood moisture equivalent' '%WME' readings.

The meter is designed for use in wide applications, such as:

- For building construction, home / office / factory renovation, water damage restoration, such as locating water leaks behind walls, above ceilings, below floors, measuring content on bricks, concrete, wood before sealing, treating, painting, wall papering. Check for moisture on or below the surface of carpet, or sub-flooring.
- For wood working, measure moisture content before finishing, painting processing.
- For textile industries, regular check moisture content on fabrics, clothes, leather, quality check to prevent mold.
- For printing industries, check moisture content on paper before printing.

BEFORE OPERATION

Step 1.

- Press and hold both button '⏻' and 'CAL %WME REL B.L. SET' until scrolling 'SEtUP' display on screen and with short beep.
- Follow up 'User Set-Up Options' to set up desired function.

Notes:

1. '0=0' Left hand digit indicates as '**OPTION**' function, use the button '⏻' as confirmation.
   Right hand digit indicates as '**SETTING**' mode. use the button 'CAL %WME REL B.L. SET' as selection.
2. Without pressing the confirm button '⏻' the meter goes to measuring mode after 30 seconds.

Step 2.

a) '0=0' Right hand digit changes from 0 →1 ↩ when pressing the button 'CAL %WME REL B.L. SET' each time. After selected the desired number, you **must** press the confirmation button '⏻' to confirm the SETTING.

b) '1=0' Right hand digit changes from 0 →1→ 2 →3 ↩ when pressing the button 'CAL %WME REL B.L. SET' each time. After selected the desired number, you **must** press the confirmation button '⏻' to confirm the SETTING.

c) '2=0' Right hand digit changes from 0 →1→ 2 → 3 ↩ when pressing the button 'CAL %WME REL B.L. SET' each time. After selected the desired number, you **must** press the confirmation button '⏻' to confirm the SETTING.

d) '3=0' Right hand digit changes from 0→ 1→2 ↩ when pressing the button 'CAL %WME REL B.L. SET' each time. After selected the desired number, you **must** press the confirmation button '⏻' to confirm the SETTING.

e) '4=0' Right hand digit changes from 0 → 1 ↩ when pressing the button 'CAL %WME REL B.L. SET' each time. After selected the desired number, you **must** press the confirmation button '⏻' to confirm the SETTING.

f) You have 30 seconds to confirm each option setting, meter automatically exit to measuring mode after 30 seconds.

g) After confirmed by pressing the button '⏻', the meter is ready for use.

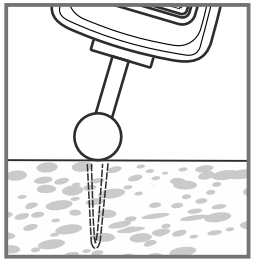
h) Factory default setting:

0=0 (Factory default setting); 1=0 (Selected beeper starts from 17.0 / 17.0%);
2=1 (Selected OFF after 3 minutes) ; 3=1 (Selected backlight ON) (1 Min.);
4=0 (Selected manual calibration);

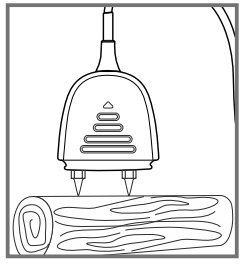
User Set-Up Options

OPTION Function Setting by ' ' button	SETTING Mode Setting by " " button	Set up information
0 (Default setting)	**0**	Factory default loaded
	1	User default setting loaded. Back light turns ON for 30 secs.
1 (Beeper)	**0**	Beeper beeps with increasing frequency from nominal 17.0 value in REL mode and 17.0% WME in Measure mode.
	1	Beeper beeps with increasing frequency when start measuring.
	2	Beeper beeps when switching from one operational mode to the other.
	3	Beeper is **OFF**. NO " " display
2 (Auto power off)	**0**	Auto switch **OFF** is not active, meter can only be switched **OFF** by pressing " " and holding it for 3 seconds.
	1	Auto switch **OFF** is active, meter switches **OFF** after 3 minutes.
	2	Auto switch **OFF** is active, meter switches **OFF** after 5 minutes.
	3	Auto switch **OFF** is active, meter switches **OFF** after 10 minutes.
3 (Backlight)	**0**	Backlight OFF.
	1	Backlight ON.(1 min.)
4 (Calibration option)	**0**	Manual calibration.
	1	Auto Calibration after power ON.

Usage of moisture sensor



Non-destructive, deep penetrate pin-point sense with any angle from the surface, moisture 'REL' reading



Remote pin type sense, moisture '% WME' reading