

# INDUCTIVE MOISTURE METER 0120-IM24

## OPERATION MANUAL



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VIDEO OF PRODUCTS.



Please read this manual before switching the unit on.  
Important safety information inside.

### 1. Introduction

This is the inductive moisture meter. It is an electronic dampness indicator with a measuring process working on the principle of high frequency. The instrument is used for non-destructively tracing dampness in building material is of all kinds as well as for detecting damp distribution in walls, ceilings and floors.

### 2. Features

- Quickly indicate the moisture content of materials
- CM% measured function
- Depth of penetration about 20~40mm
- Measure and HOLD Function
- MAX/MIN display Function
- Alarm Function
- Low battery indication
- Backlight LCD display
- Auto power off

### 3. Specification

Measuring range	0~100
Penetration depth	20~40mm
Resolution	1
Battery	9V battery

### 4. Front panel description

1. Moisture sensor
2. LCD display.
3. DOWN button.
4. ALARM SET button
5. MEAS button
6. UP/Backlight button
7. ON/OFF button



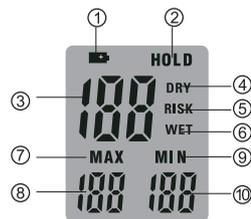
### 6. Operation

Turn the meter on by pressing the button 'ON', press the MEAS button to start measuring. User press MEAS button for the first time when the meter is turn on, please hold the meter up so that the ball sensor is in the air, not covered by your hand or any surface or object for 8 to 10cm distance, the LCD will display "CA" indication and then moisture value display in LCD, the value must be 0, If not, please tum meter on over again and repeat hereinbefore operation. Then the meter start to measuring the object. Press the MEAS button again, the moisture measurement shall latch on the Display for 30s. HOLD symbol will displayed, After 30s, the meter will auto turn off.

**Note:** when you turn meter on once, you must calibrate once, and if you move meter from one place to another place, you must calibrate once.

### 5.Indicator

1. Low battery indication
2. Data hold symbol.
3. Current moisture value
4. DRY status symbol
5. RISK status symbol
6. WET status symbol
7. MAX symbol
8. MAX moisture value
9. MIN symbol
10. MIN moisture value



## 7. Alarm set mode

Press SET button will enter the alarm set mode when the meter is already in data hold mode, the 'RISK' icon appears on the LCD, you can use the UP and DOWN button to adjust the threshold. Press the SET button shall save the alarm setting. Then 'WET' icon appears on the LCD, you can use the UP and DOWN button to adjust the threshold. Press the SET button shall save the alarm setting and then the meter back to the data hold Mode, if the moisture measurement is higher than the RISK alarm setting. It shall beep once every 2s. If the Moisture measurement exceeded the WET alarm setting, it shall beep four time every 1 sec.

Note:

The RISK value is adjust 0 to 50. The default value is 30. The WET value is adjust 50 to 100. The default value is 60

## 8. Backlight

Press UP button to switch the backlight on or off when the meter is in the data hold mode. The displayed shall be backlit with a series of white LEDs.

## Moisture Table of Comparison

Construction material	Display	moisture status
Gypsum	<30	Dry
	30~60	Risk
	>60	Wet
Cement	<25	Dry
	25~50	Risk
	>50	Wet
Wood	<50	Dry
	50~80	Risk
	>80	Wet

Note:

1. If the ball head in corners, it maintain a minimum distance of 8 to 10cm from corner ares.
2. The ball head must be kept perpendicular to the measured material during the measurement, pressed firmly against the surface and not slanted.
3. In the case of material thicknesses of less than 20mm, there is the danger that moisture values. Maybe the values is not correct.
4. If '  'appears in the display, the battery should be replaced.



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