



"Your Direct source for Plant reliability, Maintenance, Test & Measurement"

[www.reliabilitydirectstore.com](http://www.reliabilitydirectstore.com)

2911 South Shore Blvd. Suite 170, League City, TX USA 77573 Phone: 281-291-957-5283 Fax: 281-334-4255

## Reliability Direct MS98B Moisture Detector

The RDI-MS98B Moisture Detector is a useful tool for detecting moisture in wallboard, sheet rock, plaster, concrete, mortar, wood, paper or soil.

A comparative instrument, the RDI-MS98B provides a reference as to the level of moisture (not a % of moisture content) in common materials.

Trace water leakage and moisture in walls, floors, ceilings, tiling, etc.

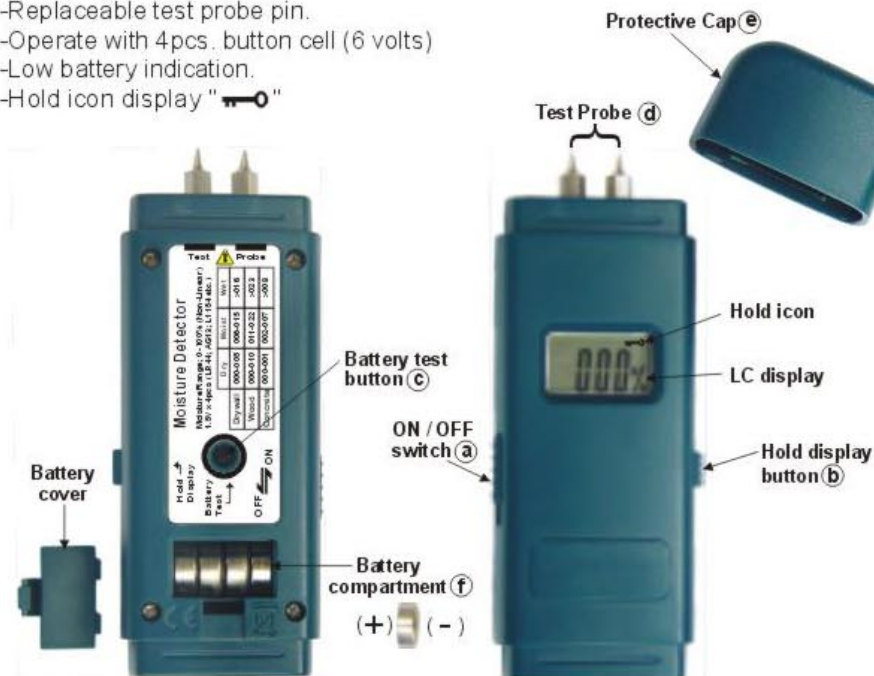
### Features:

- Digital LCD readout
- Data Hold Button to freeze reading
- Pocket sized meter
- Replaceable measurement electrode pins
- Built in battery check
- Low battery indication
- Complete with protective cap and four 1.5v button cell batteries



### Advanced Features:

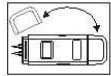
- Measure moisture from 0-100%.
- Hold switch (press and hold) to freeze the LCD reading during moisture measuring.
- Replaceable test probe pin.
- Operate with 4pcs. button cell (6 volts)
- Low battery indication.
- Hold icon display "⏏"



## INTRODUCTION

Moisture Detector is very useful Instrument for detecting rising and penetration damp in masonry, plaster, wood, foundation walls, floors, timber, paper, powder, soil etc. The results it shows as a comparison for reference guide and relative indications of the moisture level ( Not % of moisture content ), Such as, yesterday the reading on the wall shows '005' and today on the same location it shows '001', moisture level shows is less than yesterday.

## HOW TO USE



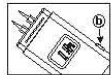
Remove the 'Protective Cap' ① of the unit from the front side and replace it to the bottom side.

Slide the switch ② to 'ON' position.

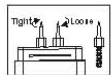
**Note :** Set the selector switch ③ to 'OFF' position when not in use.



Place the 'Test Probe' ④ on the surface for detecting and read the values on LCD.



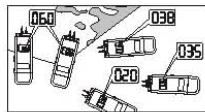
Press and hold the switch ⑤ to freeze the display reading when measuring in a dark place or difficult to see the reading.



Test probe pin can be replaced by unscrew the pins by hand as shown.

**Note:** Pay more attention the sharp pins and be careful not to over tighten. Do not use tools.

## TYPICAL EXAMPLE



### Tracing Water Leakage

Place the 'Test Probe' ④ on the surface such as concrete, wood, plaster, dry walls or ceiling. Notice the reading on LCD display, continuously take measurement at different location approaching to 'higher' readings. Leakage located when the reading remains 'highest value'.



**Chemical / Pharmaceutical**  
Monitor the dryness or conductivity of the powder.



**Painting**  
Check dryness of wall prior to painting or varnishing.



**Printing**  
Check moisture of the paper prior to printing.



**Tiling**  
Check dryness prior tiling.



**Timber**  
Check moisture of Timber.



**Wallpaper**  
Dampness check of dry/plaster walls prior to wall papering.

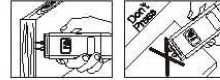


**Agriculture / Gardening**  
Monitoring water contents of soil.

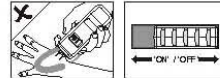


**Furniture**  
Dampness check of wood prior to painting/varnishing or processing.

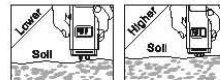
## IMPORTANT NOTES



Gently place 'Test Probe' ④ on the surface, do not use force, bang or pressure.



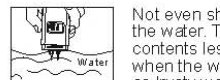
Be careful of your hand when opening the 'Protective Cap' ① of 'Test Probe' ④, and always set the switch ② to 'OFF' position when not in use.



Lower reading shows when the 'tip' of the 'Test Probe' ④ 'contacts' on surface and higher reading shows when the 'Test Probe' ④ is placed 'inside' the soil.



In some case, various value shows in different location, because it depends upon the density or water contents spread unequally.



Not even shows '100' when the 'Test Probe' ④ is immersed into the water. The value shows less than '100' because the water contents less conductive mineral material, higher value shows when the water contents high conductivity mineral material such as 'rusty water'.



Reading shows '100', when the surface/ object is metallic or conductive material.



Always keep clean the 'Test Probe' ④ and replace the Protective cap ① when not in use.

The tables below show typical dry moist and wet readings on some commonly materials. (for reference only):

	Dry	Moist	Wet
Dry wall	000-005	006-015	>016
Wood	000-010	011-022	>023
Concrete	000-001	002-007	>008