

# INDUCTIVE MOISTURE METER

MS300

VER170D01

Inductive moisture meter MS300 is used for measuring moisture content of wood, Timber, paper, Bamboo, Carton, concrete, metope, and other materials. It applicable of woodwork, paper making, flakeboard, furniture, building, timber traders and other relevant industry.

## 1.FEATURES

- 1.1 It is portable, compact, easy to use and the moisture measurement readings are instant.
- 1.2 Digital display with back light gives exact and clearly reading although you stay at the somber conditions.
- 1.3 It will save time and expense by monitoring dryness and helps to prevent deterioration & decay caused by moisture whilst in storage, therefore processing will be more convenient and efficient.
- 1.4 The moisture meter operates by high frequency

- and has automatic temperature compensation.
- 1.5 Manual off at any time. Auto power off after 5 minutes from last operation.
  - 1.6 Data hold function. Low battery alert.

## 2.SPECIFICATION

Display: Digital LCD with backlight  
 Measuring range :0-70%  
 Operating conditions:  
 Temperature: 0-60°C  
 Humidity: 5%-90%RH  
 Resolution: 0.1  
 Accuracy:  $\pm 0.5(1+n)\%$   
 Power supply:  
 4x1.5 AAA size (UM-4) battery

Dimensions:

140mm×60mm×22mm

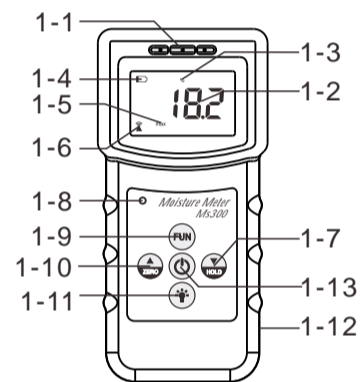
Weight:

119g (not including batteries)

Guarantee:1 year

Code choice:10 kinds

## 3.PANEL DESCRIPTIONS



- |                    |                    |
|--------------------|--------------------|
| 1-1 Buzzer         | 1-8 Warning light  |
| 1-2 Testing value  | 1-9 Function key   |
| 1-3 % symbol       | 1-10 Zero/inc key  |
| 1-4 Low battery    | 1-11 Backlight key |
| 1-5 Max symbol     | 1-12 Battery cover |
| 1-6 Testing symbol | 1-13 Power key     |
| 1-7 Hold/dec key   |                    |

## 4.OPERATION PROCEDURE

- 4.1 Turn on the key, the symbol "0" will be showed on display. It will need zeroing if showed other value, please depress key while the probe sensor without touch anything, or zeroing is not efficient. Zeroing can decrease the effect from the temperature and humidity in the air.

- 4.2 Hold the instrument with your hand, press the back sensor close to the testing material, the reading showed on display will be the result of the tested material moisture content.(when the back sensor is larger than the testing material, you can press the sensor aim to the material by its middle of surface.)
- 4.3 Depress key, the symbol "max" will be showed on display, then the max value must be stored on display when

measuring process. Depress the key again, this function will be canceled.

### 4.4 Code choice

Depress key and not release until the CD00 is showed on display, through press and key to choose you needed code, then depress key to confirm it.

### 4.5.Replace batteries

When battery symbol showed on display, it must replace the batteries in time. Slide the batteries cover, put the batteries

into the hole correctly.

## 5.WARNING SETTING

- 5.1 Depressing key and don't release until "AL2" showed on display(it will takes 5 seconds to complete operation),then press or key to choose your suitable value according to your needs, press key again back to the operation state.
- 5.2 Setting the "AL1" just the same ways as "AL2".
- 5.3 Usually, "AL2" must larger than "AL1", if the "AL2" less than "AL1" during setting process, then the instrument will be returned back the

factory setting, just to say, AL1=13, AL2=18.

### Notes:

Please take out the batteries if the instruments without use for a long time.

Put the probe in the air without touch anything when zeroing, or the zeroing is not efficient.

## Codes Table

Density kg /m <sup>3</sup>	Code Cd	Reference Material
600	00	Timber ,Chipboard
800	01	Coal ash(dry),Alcohol
1000	02	Polyethylene ,paraffin Bamboo ,ABS
1200	03	Cement ,Clunch
1400	04	Bakelite ,Fibre pasteboard
1600	05	Rubber, Sand(dry)
1800	06	Stone, Grit(dry) Vitriol(87%)
2000	07	Sand(wet), Bricklaying Quartz Glass, Diatomite
2200	08	Concrete, Asbestos China
2500	09	Marble, Granite