Moisture Analyser

USER MANUAL

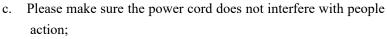
I Instruction

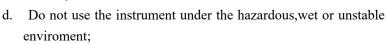
1. Security

Please reading the following before you use the Moisture Meter



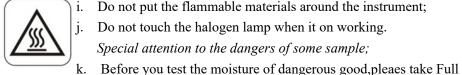
- a. The instrument can use for test the moisture of the sample, each improper operation may result in personal injury and equipment damage
- b. Please access the AC power accordance with the manual;





- e. Unplug the power before you clean the Meter;
- f. Please keep enough space around the instrument, and keep the top of the space at least 1m;
- During a special experiment, please wear protective equipment by youself;
- Please do not change the instrument's components and any other aspects. h. Maintenance of this equipment by the factory authorized professionals.

Moisture Meter use Halogen lamp.



- i. Do not put the flammable materials around the instrument;
 - Do not touch the halogen lamp when it on working.
 - Special attention to the dangers of some sample;



Inflammable and explosive materials: Heating the inflammable and explosive materials will produce flammable gases or vapors, so need to lower the temperature in a dry environment. In case of fire

or explosion.

investigation

Toxic and corrosive substance: Keep the samples of toxic or corrosive ingredients in well-ventilated environment.

Above the sample test will be particularly careful, for any damage caused by your own risk

1

Tips:

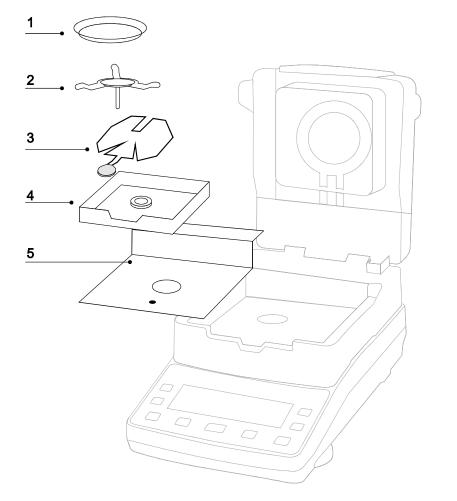
1. Warm-up the Meter 30 minutes and take the first time calibration:

2. After the end of a water calibration experiments (see 3.6);

3.Each time the switch machine, please interval of 5 seconds;

4 .Cover the heater, do not leave the weight on the pan, or halogen lamps will be crushed;

Schedule: assembly drawing



Please installation the instrument according the picture Installation order from top to bottom :1 --2--3--4--5

- 1. Aluminum scale pan
- 2. The triangle scale frame
- 3. Scale pan brackets
- 4. Wind cover
- 5. Stainless steel plate

II.Installation

2.1 Standard Packing List

Please check whether the packaging and accessories is complete when you open it

| Standard | Quantity | Note |
|--------------------------|----------|-------|
| Moisture Meter Mainframe | 1 set | |
| Wind Cover | 1 piece | |
| The sample pan holder | 1 piece | |
| Tray handle | 1 piece | |
| Power cord | 1 piece | |
| Aluminum sample pan | 1 set | 50pcs |
| 100g standard weight | 1 piece | |
| Product Manual | 1 piece | |
| Product certification | 1 piece | |
| Warranty card | 1 piece | |

2.20perating Requirement







Operating table should be stable

Temperature stable, dry, without strong vibration,

without strong magnetic field.

good ventilation of the environment

2.3 Installation of accessories

| Place the wind cover, | Place the sample pan | Put the aluminum |
|-----------------------|----------------------|-------------------|
| aligned holes. | holder, rotate until | sample pan on the |
| | positioning. | bracket. |



2.4 Adjust the level and connect the power

There are two feet in front of the instrument, adjust it and keep the instrument level.



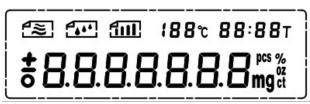
Connect the instrument with power, put one side of power cord



Please warm up more than 30minutes for keep it stable and accurate.

III Operation

3.1.Display



3.2.Icon Introdution

% ---- The percentage of dry weight **M** % ---- The percentage of moisture

g-Gram

¦88℃ ---- Temperature

88:88T

---- Time set and heat time

----Heated mode

-----Rapid heating mode



Stop heated mode

Calibration 3.5

When the instrument error or improper operate. Calibration weights can be adjusted with accuracy.

Press "Reset" key and does not release until it display"-cal-",

Then flashing "100.000", put on the calibration weight, then it will display "= = = = = =",

until it display "100.000" remove the weight, it will display "= = = = = "again, Waiting it show" 0.000 ", the calibration is completed.

IV Technical parameters

| Mode | 110MW | 105MW | 102MW | 100MW |
|---------------------|--------------|----------|----------|----------|
| Specification | 110g/10mg | 110g/5mg | 110g/2mg | 110g/1mg |
| Readability | 10mg | 5mg | 2mg | lmg |
| Pan size | Φ 90 | | | |
| Heating mode | Halogen lamp | | | |
| Display | LCD | | | |
| Temperature Setting | 40°C~199°C | | | |
| Time Setting | 1~99 minutes | | | |
| ATRO | 100%~999% | | | |
| ATRO | 0%~999% | | | |
| History store | 15 set | | | |
| Power supply | 220V 50Hz | | | |

Press"UP"or"Down"to choose the stop mode.and press when flashing "ENTER" confirm, Parameters are defined, and go to the next parameter (temperature) setting.

3.5.4 Heating Temperature Setting

The instrument temperature setting range is from 0-199 degrees. Press the "MENU" to enter the parameter setting mode, press the "ENTER" key

until the **188**° flashing , Press"UP"or"Down"to choose the temperature.and press "ENTER" to go to next setting(time setting)

Icon **188**° will transform other temperature when its heating.

3.5.5 Heating time setting

1.Just choose timing stop mode need set the stop time.

Press the "MENU" to enter the parameter setting mode, press the

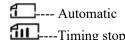
"ENTER" key until the **BB:BBT** flashing, Press"UP"or"Down"to

choose the temperature.and press "ENTER"

2, Heating cycle: Just gentle heating mode need choose heating cycle

- For example: 3.6
- sample: water, a.
- Press the "MENU" to enter the parameter setting mode, choose the b.
 - (temperature: 120°C, Press "ENTER" go to weighing state
- c. Put a dry paper on the pan, and press"Tare" clean the weight. Put on the 3g water on the paper, until the readability stable. Press" START / STOP " begin test. Waiting for it sop.look the result. The m% will be 100%.

Weighing error or sample weight deficiency can lead to the result of the test a deviation

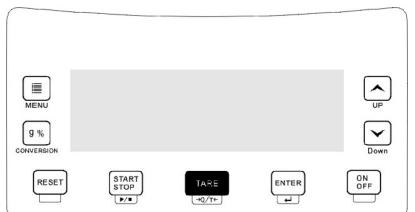


finanual stop mode

fill----Timing stop mode

Es Heated state





| NAME | Key features |
|--------------|---|
| ON/OFF | Power on / off, Just off the internal DC power supply |
| START / STOP | Start heated/ stop heated |
| TARE | Weighing peeled, Settings exit |
| MENU | Enter the setting menu |
| CONVERSION | Switching measurement results |
| ENTER | Confirm the current setting, go to next |
| RESET | Return to the weighing mode (short press), calibration balance (long press) |
| DOWN | Reduce |
| UP | Add |

3.4 First testing

1. First test, if not change the temperature and time settings, the moisture meter defaults to factory defaults.

2. Put empty sample pan on the holder (see section 2.3).

3. Press the "TARE" to clean weight.

4.Put the sample on the pan (Sample weight should be heavy than 1g, the general 3-5g).

5. Close the heating cover, press the "Start / Stop" button to start the test. At this point, heated tube lights, fans turn on, heated symbol in the upper left flashing. While rolling on the screen displays the current temperature, has been heating time, moisture content of the current sample.

6. End of the test, heated lamp automatic shut off, the buzzer alarm. Then the sample is displayed on the moisture content, heating time, current temperature and the parameter setting mode.

Note: Don't touch the sample plate, the temperature is too high now.

7 Press the "Reset" button, the instrument returns to weighing mode.

- 3.5 Parameters Setting
- 3.5.1 Heated parameter storage and recall
 - a. The instrument can store a total of 16 0-F group of heated parameters. Each group can set the heating method, stop mode, time and time test parameters.
 - b. In weighing mode, press the "Settings" button to enter the parameter setting mode, then store the address number (the number show the highest bit) is flashing. Press "down" or "up" key to select the desired address number, the 0 is the factory setting,1-F for the user store.
 - c. The memory address number 0 means factory settings, then click "ENTER" button to exit the settings back to weighing mode. At this point heated mode is the factory defaults.
 - d. When the memory address range for the 1-F any one number, press "ENTER" key, and enter the parameter setting after the completion of a parameter (heated mode, stop mode, time mode) setting.Press the "TARE" key, the address number of the test parameters have been stored.

3.5.2 Heated mode and setting (

a. Standard heated mode: (

This mode is the factory setting, suitable for most samples. Heating temperature can be set, the sample is heated to a temperature, and keep to the test ends automatically.

b. Rapid heating mode: (

This mode is suitable for samples with higher moisture content. You can set the heating temperature, heating the temperature will exceeds the set value, the future will be reduced to the set temperature and hold until the test ends automatically.

c. Gentle heating mode: (

This mode is suitable for low moisture content, surface casing is easy to form, easy to burn the sample. From the heat began to rise to the long time required to set temperature, heating up even slowly. Heating time user selectable.

- d. Press the "MENU" to enter the parameter setting mode, 0 to 1 ,press the "ENTER" until the heating mode, the icon flashes . Press "UP"or"Down"choose the mode you need.and press "ENTER" confirm.
- 3.5.3 Stop mode setting:
- a. Automatic stop mode:
 - Heating the sample within the specified time during the weight loss of less than 2mg will automatically stop when the test. This mode after 15 seconds in the heating effect.
- b. Manual stop mode: (1)
 - Sample heating process is the continuing until the press the "start/stop" button to end testing.
- c. Timing Stop Mode: (fill)

Stop time set by the user, the sample heating process is continued until the end of the heating time to set the value of the test.

Press the "MENU" button to enter the parameter setting mode, press the "ENTER" key until the shutdown mode