

Household Salinity Meter User Manual

v1.1.3

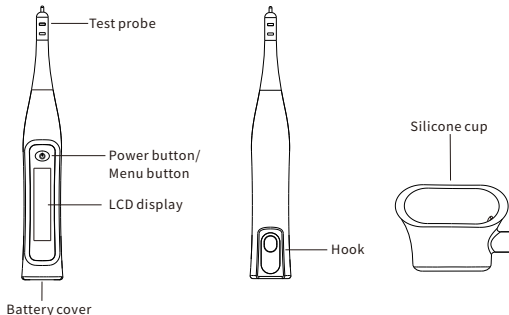


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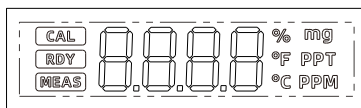
1. Introduction

The household salinity meter is an instrument for measuring the salinity and temperature of solutions. It can be used in the home kitchen, soup brine, food processing and other fields.

2. Product Description Diagram



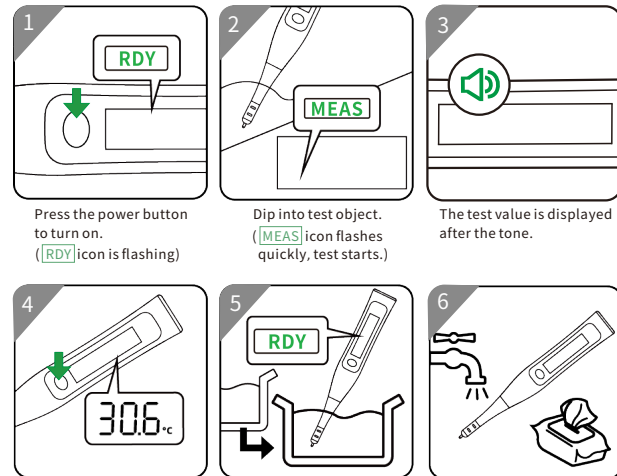
2.1 Liquid crystal display



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- CAL** Calibration prompt
- RDY** Flash in preparing for the test
- MEAS** Flash when the test are displayed

3. Operation Procedure



Press the power button to turn on.
(**RDY** icon is flashing)

Dip into test object.
(**MEAS** icon flashes quickly, test starts.)

The test value is displayed after the tone.

After test, press the power button to display Na content.
(unit: mg/100g)
Press it to display temperature again (unit: °C)
Press the power button long to shut down.

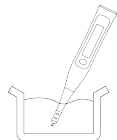
Without cleaning the induction, it can also be tested continuously.
To ensure accuracy of the test, it is best to test after cleaning and while **RDY** is flashing.

After the test, clean it with neutral detergent and clean water, and then wipe the water with a soft cloth or wet wipes.

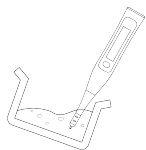
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4. Precautions During Testing

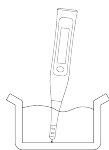
For the first test, in order to ensure the accuracy of the test, it is necessary to clean the metal half rings of the probe, which can be cleaned with water, and then wipe the water beads with paper towel or soft cloth, and then test.



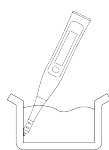
As shown in the picture on the left, the induction part should be separated from the bottom side wall by 1~2cm, and only half of the cylinder can be soaked.
(※Do not touch the residue in the liquid)



○
Tilt the container to test if there is residue or insufficient liquid.



○
The induction part touching the bottom can also be tested.



×
The induction part should not touch the side wall.

The metal part of the test probe must be completely immersed in the test solution to be tested accurately.

5. Calibration (for model D)

- (1) In the boot mode, ensure that the probe is not inserted in the liquid. Long press the "CAL/▲" key to enter the calibration mode, and the "CAL" icon will be displayed.
 - (2) Short press "▲ and ▼" to increase or decrease the salinity value to be calibration at the calibration point.
 - (3) Insert the instrument probe into the liquid to be calibrated, stir the liquid and stand to stabilize the measurement value.
 - (4) Short press the "⌂" key to calibrate the salinity value of the current calibration point. To skip the current calibration point, long press "⌂" key.
 - (5) Repeat the above steps to continue to calibrate the remaining calibration points.
 - (6) After all calibration points are successful, "PASS" will be displayed, otherwise "Err" will be displayed, and then the calibration mode will be automatically quit.
- Note: The measured salinity value is displayed when the "MEAS" icon is long, otherwise display the salinity value at the current calibration point.

6. Test the Difference Description/Explanation of Test Differences

- ① The actual amount of Na displayed will be different when testing the food with complex ingredients.
- ② There will also be differences when testing the liquid with residue.
- ③ Foods with oil ingredients are also different.

7. Storage and Precautions

- ① Do not close to heating furnace, hot appliances and other hot objects.
- ② Avoid scalding when testing hot objects.
- ③ Use the battery within the specification. Do not mix the rechargeable battery with other batteries.
- ④ In order to prevent product failure, do not arbitrarily disassemble the product.
- ⑤ If the product falls or is impacted, there will be errors in the test.
- ⑥ Scratch, foreign body, deformation should not appear on the surface of the test mouth, otherwise there will be a large error in the test, so it need to be kept safe.
- ⑦ After using, clean the test mouth with clean water and wipe it with a soft cloth.
- ⑧ If not in use for a long time, please unplug the battery for safekeeping.

8. Battery Replacement Time and Method

◆**Replacement time:** When "Lb" is displayed on the screen interface.

- (1) The new battery does not work after installation and should be re-installed.
- (2) The new battery will also discharge naturally due to the long time after production. When the power supply is insufficient, the screen shows "Lb", indicating that the battery is too low and needs to be replaced with a new battery.

◆**Replacement method**

- (1) Rotate the battery cover counterclockwise and remove the battery after opening the cover.

(2) Install the + poles of the two AAA batteries outward.

(3) Refer to the "Open" figure below, press the aligned position and rotate clockwise.

Note: In order to prevent damage to electronic products, the positive and negative poles should be set very accurately before use.



Use the key to open the battery cover



Turn off



Turn on



Battery state after turning on

9. Technical Parameters

Type	A	B	C	D
Measuring rang	Salinity: 0~5.00% Temperature: 1~99°C	Salinity: 0~10.00% Temperature: 1~99°C	Salinity: 0~26.00% Temperature: 1~99°C	Specific gravity: 1.000~1.045 Salinity: 0~55ppt
Resolution	0~4.99%: 0.01%; 5~10%: 0.02% 10~15%: 0.05%; 15~26%: 0.1%			Specific gravity: 0.001 Salinity: 0.1ppt
Measuring accuracy	0.01~1.99%(±0.05%); 2~5%(±0.1%); 5~10(±0.3%); 10~20(±0.5%); 20~26%(±2%)			Specific gravity: ±0.002 Salinity: ±1ppt
Operating environment	Temperature: 5 ~ 60°C. The maximum temperature of the best object is below 99°C.			
Storage environment	5~60°C			
Power supply	2 pcs of 1.5V AAA battery			
Dimensions	186*56*25mm			
Warranty period	12 months			

The above data are theoretical values obtained from our internal laboratory under specific test environment (the solvent is not conducting pure water, the solute is 99.9%NACL analysis pure, 1 standard atmospheric pressure, and the temperature is $25\pm 3^{\circ}\text{C}$). Actual use may be slightly different due to individual product differences, software versions, use conditions and environmental factors. Please refer to the actual usage situation.