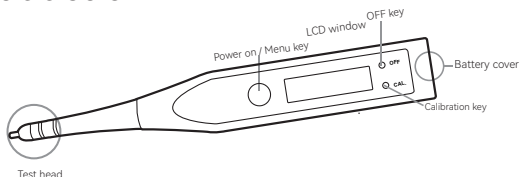


# Digital Chlorine Meter User Manual



# Product Introduction

## Location Name



### LCD Window Display

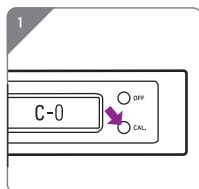


- RDY** Blink when preparing for test
- LOW** Blink when power is low
- MEAS** Flashing during display test

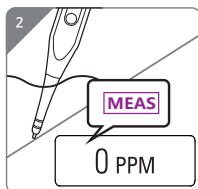
## Product specifications

| Testing principle                                                                    | Determination of conductance                                                                                                                                                    |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CL-100: Sodium hypochlorite, Hypochloric acid;<br>CL-200: Chlorine dioxide solution; | Measuring Range: 0-999ppm<br>Measuring method: automatic measurement<br>Temperature range: 1-99°C<br>Resolution: 1ppm<br>Error range: 50ppm ±5ppm, 100ppm ±10ppm, 300ppm ±30ppm |
| Testing environment                                                                  | 5-60°C                                                                                                                                                                          |
| Power saving function                                                                | Turn off automatically after 60 seconds                                                                                                                                         |
| Temp compensation                                                                    | A.T.C                                                                                                                                                                           |
| Display area                                                                         | LCD (Backlit)                                                                                                                                                                   |
| Completion function                                                                  | After the measurement is completed, the ppm is automatically locked and the backlight is on<br>Prompt tone: 2 starts and 1 ends                                                 |
| Battery replacement                                                                  | <b>LOW</b> Icon flicker                                                                                                                                                         |
| Power                                                                                | 3.0V DC (LR03 SIZE AAA 1.5V*2)                                                                                                                                                  |
| Waterproof                                                                           | Life waterproof                                                                                                                                                                 |

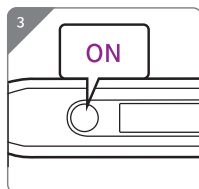
The data on the above page are theoretical values. They are all obtained in our internal laboratory under specific test environment (the solvent is pure water, the solute is sodium hypochlorite, hypochlorous acid and chlorine dioxide solution, 1010Kpa at the same standard atmospheric pressure, and the temperature is 25 °C ± 3 °C). In actual use, it may be due to individual differences of products and software Version, use conditions and environmental factors are slightly different. Please refer to the actual use.



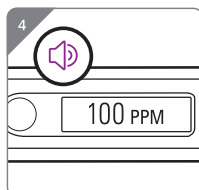
Turn on the power key  
(To ensure that the tap water  
of the user is 0, press the  
arrow cal key to calibrate)



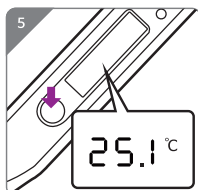
Put the product into the water  
for about 3 seconds, as shown  
in the figure, 0ppm  
( **MEAS** Icon blink start)



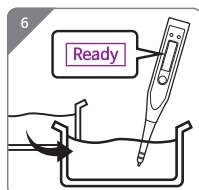
Press the power on button  
to turn on the instrument.



Put in disinfectant, such as  
sodium hypochlorite.  
(100ppm or 200ppm) After  
mixing, test with tester.

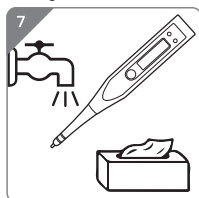


3 seconds or so, press the  
power on key to display the  
temperature.

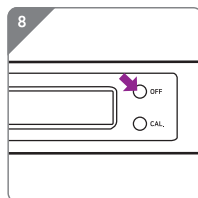


For the first time, the test nozzle  
must be cleaned for higher accu-  
racy, and it is not necessary to  
clean every time during continu-  
ous measurement.

**Ready** Start measurement after  
icon flashes.



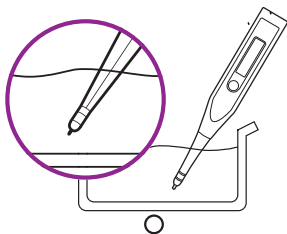
After the test, wash with  
neutral detergent and clear  
water. Wipe the water with  
soft cloth or wet towel and  
keep it.



Press the off key of the arrow  
to clear the zero calibration  
data of the user and restore it  
to the factory initialization data.

## Test considerations

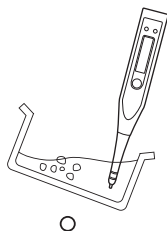
For the first test, in order to ensure the accuracy of the test, it is necessary to clean two metal half rings of the test nozzle, which can be cleaned with water, then wiped with paper towel or soft cloth to clean the water drops, and then tested.



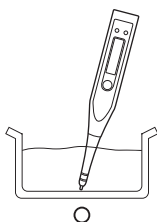
As shown in the left figure, the sensing part should be 1-2cm away from the bottom and side wall.

Only half of the cylinder needs to be soaked

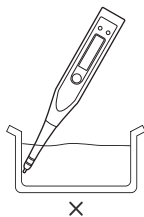
(※ Do not touch residues in the liquid )



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



The sensing part can also be tested by touching the bottom



The sensing part shall not touch the side wall

When using silica gel cup, it is necessary to fill the silica gel cup with liquid to ensure accurate test

## Other precautions

1. Liquid containing a lot of ions can be determined according to the actual value of sodium hypochlorite
2. For liquid with oil, the actual content of sodium hypochlorite may be different due to the phenomenon of oil film
3. The turbidity or complex composition of tap water will affect the actual test results
4. Some disinfectants of electrolytic bactericides cannot be used due to the influence of salt

## Safekeeping and precautions

- ① Unreliable near heaters, heaters and other hot objects
- ② Avoid scalding when testing hot objects
- ③ Do not mix the rechargeable battery with other batteries
- ④ To prevent product failure, do not disassemble the product at will
- ⑤ If the product is dropped or impacted, there will be errors in the test
- ⑥ The test nozzle shall not be scratched, foreign matter or deformed, otherwise the test will have a large error, so it shall be kept properly
- ⑦ Clean the test nozzle with water and wipe it with soft cloth after use
- ⑧ Please unplug the battery when it is not used for a long time

## Battery replacement time and method

◆ Replacement time: **LOW** When the display flashes

- ① When the test is not accurate due to insufficient current although there is residual current
- ② The new battery does not work after it is installed and needs to be reinstalled
- ③ The new battery will also discharge naturally due to too long time after production, **LOW** It will also show that the battery is low and needs to be replaced

## ◆ Replacement method

- ① Turn the battery cover anticlockwise and take out the battery after opening the account
- ② Install the two + poles of AAA battery outward
- ③ Refer to the "open" figure below, and rotate clockwise after pressing in alignment with the position

Note: in order to prevent damage to electronic products, it is necessary to set +, - extremely accurately before use



Use the key to open the battery cover



Close



Open



Battery status after opening