# CT-8022/CT-8022L   ORP Meter Instruction Manual

## ⊗ Caution

- Please read the manual carefully before using the meter.

- The glass electrode at the bottom of the pen is fragile, please use it carefully after taking off the protection cap. Any damage may cause the invalid of the electrode.

- The duration period of the glass electrode is one year from the date of purchase whether you use it or not, please change the electrode in time.

- The electrode can not be used under the dry condition, always soak the electrode into the distilled water or purified water for10 – 30 minutes to activate before use.

- The meter is ready to be used after the model shows on the screen.

## FEATURES

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| * Range: ±1200mV | * LCD displays both mV value and temp. |
| * Pen type ORP meter, all in one, pH electrode is included, easy for general purpose application | * Data hold function for freezing the desired value |
| * Water proof and protection | * Auto power off without any operations after 10 mins |
| * Easy to change the electrode | * Compact size, light weight |
| * Temperature measurement, ℃, ℉ | * Power supply by DC 1.5 V battery (LR44, BAT ) x 4 pcs |
| * Build in temperature sensor, ATC (auto temperature compensation) | * Available for wide applications |
| * Intelligent backlight for CT-8022L– Sensing technology automatically turn on or turn off LED screen backlighting to react to ambient light levels. | |

## SPECIFICATIONS

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|---|---|
| **Display** | LCD, size : 20 mm x 27 mm. Consumption |
| **Measurement Range** | ±1200mV |
| **Accuracy** | ±2mV |
| **Temp. Range** | 0～50℃（32～122℉） |
| **Operating Humidity** | Less than 80% RH |
| **Dimension** | 188 x 38 mm        (included electrode) |
| **ORP   Calibration** | It already be calibrated before leaving the factory ; Using it directly,please. |
| **Weight** | 82 g   (included electrode) |

## OPERATING INSTRUCTION

**Do not screw the probe cap at the bottom of the meter, pull it out directly!**

## 1.Restore factory defaults

(1)、Press the "ON / OFF" key to start . (If it is switched on, you can omit this step)

(2)、Hold down the "HOLD" key until the display shows the **CLR** symbol, then release the key can be used directly without re-calibration.

## 2.  Temperature Measurement ℃  or ℉

The default temperature measurement is ℃. While the meter is off, press CAL and ON/OFF at the same time until the '℃' or '℉' appears on the LCD. Press HOLD to select the preferred unit and then press CAL to save. 'SA' will appear on the LCD for one second and then back to normal.

## 3.  Automatic Temperature Compensation (ATC)

The product is capable of measuring the temperature and making compensation automatically, 'ATC' shows at the left corner of the screen.

## 4.  Hold Feature

Turn on by press ON/OFF key. Press HOLD to freeze the current reading a flashing "HOLD" will appear. Press HOLD again to rel

## 5. Out of the Range

If the potential is out of ±1200mV, '-- -- --' will be displayed.

When the temperature is too low or too high, 'L' or 'H' will be displayed.

## 6. Low Power Indication

Change batteries if battery symbol appears. Don't mix old battery with new one.

## MAINTENANCE

Please always keep the ph glass bulb caped for protecting when storing. Always rinse the ph electrode in distilled water before use. Never touch or rub glass bulb for it may reduce the life of the electrode.

## WARRANTY

The meter is warranted to be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover battery, misuse, abuse, alteration, tampering, neglect, improper maintenance or damage resulting from leaking batteries. Proof of purchase is required for warranty repairs. Warranty is void if the meter has been taken apart.