

# ORP&Hydrogen(H<sub>2</sub>) Meter Instruction Manual

## CT-8025/CT-8025L

Thanks for choosing our products. Please read the manual carefully before using the meter. And keep this manual in a safe place for future reference. Always rinse the electrode in distilled water for 10 mins. and wipe carefully with a tissue before use.

### FEATURES

* Range: H <sub>2</sub> : 0~2400PPb; ORP: ±1200mV	* LCD displays both H <sub>2</sub> & temp OR ORP & temp.
* Pen type ORP&H <sub>2</sub> meter, all in one, electrode included, easy to use	* Data hold function for freezing the desired value
* Water proof.	* Auto power off without operation in 10 mins
* Easy to change the electrode	* Compact size, light weight
* Temperature measurement, °C	* Power supply by 1.5 V battery (LR44 ) x 4 PCs
* Build in temperature sensor, ATC (auto temperature compensation)	* Available for wide applications
*CT-8025L: Intelligent backlight for CT-8025- Sensing technology automatically turn on or turn off LED screen backlight to react to ambient light levels.	

### SPECIFICATIONS

<b>Display</b>	LCD, size : 20 mm x 27 mm.	
<b>Measurement Range</b>	0~2400PPb;	ORP: ±1200mV
<b>Resolution</b>	± 2PPb;	±1mV
<b>Accuracy</b>	± 50PPb;	±2mV
<b>Temp. Range</b>	0 ~ 50°C	
<b>Resolution</b>	0.5°C	
<b>Operating Humidity</b>	Less than 80% RH	
<b>Dimension</b>	188 x 38 mm (included electrode)	
<b>Weight</b>	82 g (included electrode)	

### OPERATING INSTRUCTION

\* Auto power off

Auto power off if no operation in 10 minutes.

### \* **Hold Feature**

Press HOLD to freeze the current reading. Press HOLD again to release the hold mode.

### \* **ORP and hydrogen rich functional conversion**

The default hydrogen measurement is PPb. Press FUN key to change it when ORP&H2 meter need to display data mV.

### \* **If Out of the Range**

- H2: Out of 2400PPb OR ORP: Out of  $\pm 1200\text{mV}$ , '1 -- --' will be displayed.
- If the temperature is too low or too high, 'L' or 'H' will be displayed.

### \* **Low Power Indication**

Change batteries if battery sign is showed in the LCD.

## **MAINTENANCE**

Please always keep the ORP&H2 capped for protecting when storing. Always rinse the 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 covers normal operation and 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.

## **Note**

1. Do not screw the electrode retainer if not change the electrode.
2. The ORP&H2 has been calibrated in the factory.