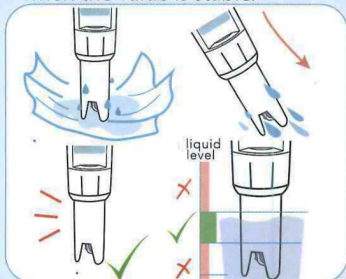


· SPECIFICATIONS

Range	pH	0.00~14.00PH	
	EC	0~1999 $\mu$ S/cm	0~19.99mS/cm
	TDS	0~1999ppm	0~19.9ppt
Resolution	Temp	0~50 C (32~122 F)	
	pH	0.01pH	
	EC	1 $\mu$ S/cm (<1999 $\mu$ S/cm)	
		10 $\mu$ S/cm (>1999 $\mu$ S/cm)	0.1mS/cm
	TDS	1ppm(<1999ppm)	10ppm(>1999ppm)
Accuracy	Temp	0.1ppt	0.1 C
	pH	$\pm$ 0.02PH	
	EC	$\pm$ 2% F.S	
	TDS	$\pm$ 2% F.S	
Automatic Temperature Compensation	Temp	$\pm$ 0.5 C	
		0 C ~50 C	
Battery Type	3 X 1.5V (AG13)		
Operating Temperature	0 C ~50 C		
Calibration	two points (4.01, 6.86) or One point (6.86) calibration		
Auto-off	After 8 minutes		
Dimension	188mm X 35mm X 35mm		
Weight	98g		

- First rinse the electrode with distilled water, and suck it with filter-paper. Wipe the water on the plastic shell and shake the small droplets on the electrodes to avoid affecting the test results.
- Immerse the electrode in the solution to be tested. Gently shake the device so that small bubbles on the electrodes leave the electrodes and read a stable display number when the value is stable.



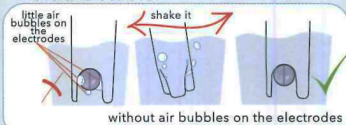
- After use, turn off the meter. Rinse the electrode with distilled water to minimize contamination.



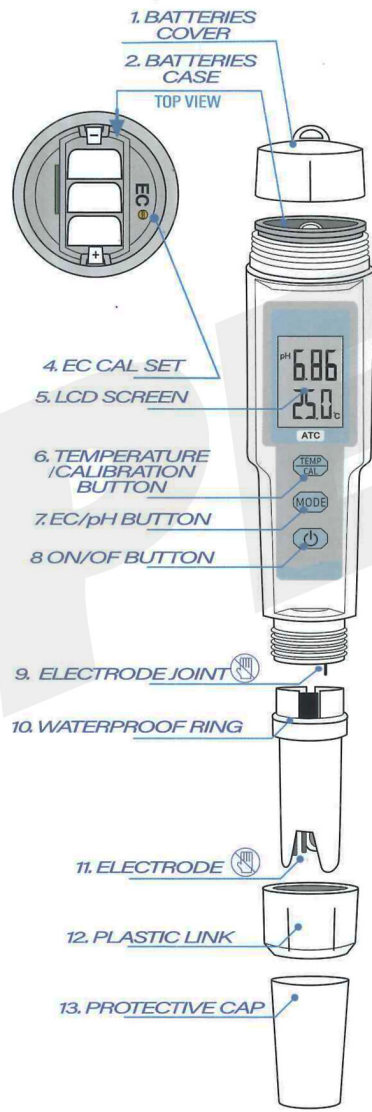
- Always put protective cover on after use.
- Distilled water used for cleaning must be clean, and expired solution can not be used in calibration.



- Gently shake the device so that small bubbles on the electrodes leave the electrodes and read a stable display number when the value is stable.



RoHS  
CE  
**pH-875**  
Waterproof pH/EC/TDS & Temperature Meters

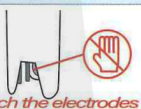


· OPERATION

- Remove the protective cap. Turn on the meter.



- Do not touch the glass bulbs of the electrodes.



- Short press the "MODE" button to loop the display of pH/EC/TDS value on the screen successively ("pH", "mS", " $\mu$ S", "ppt" and "ppm").

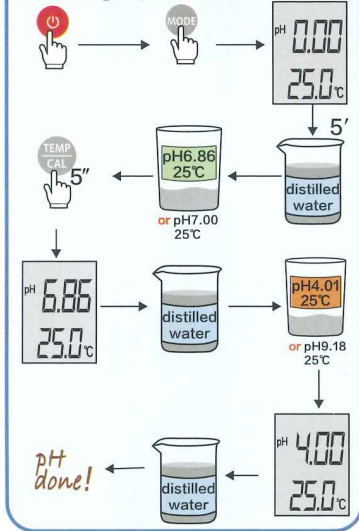


- Short press the 'TEMP/CAL' button to switch between Celsius and Fahrenheit.



I. pH-1

For a single-point calibration

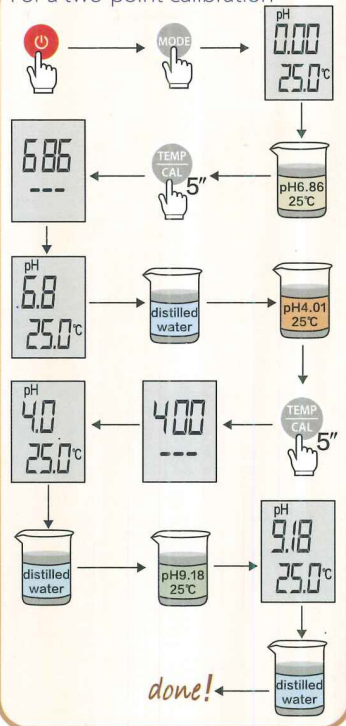


For a single-point calibration

- 1) Pour a small quantity of pH6.86, pH4.01 and pH9.18 solution into clean beakers.
- 2) For a particularly accurate calibration, it is advised to use two beakers for each buffer solution; one for rinsing the electrode, one for the calibration. In this way, the risks of contaminating the buffer solution are reduced to a minimum.
- 3) Turn on the meter. Short press the "MODE" button, choice the PH for measuring.
- 4) Immerse the electrode in a pH6.86 buffer solution, and gently shake it until the reading to stabilize.
- 5) Press and hold the "TEMP/CAL" button about 5 seconds until 686 appears on the display. Release the button. The LCD will display "6.86". Rinse the electrode with distilled water.
- 6) Immerse the electrode in a pH4.01 (or pH9.18) buffer solution, gently shake the electrode and waiting for the reading to stabilize. The showing value and buffer solution's pH value is within error range.

II. pH

For a two-point calibration



For a two-point calibration

- 1) Pour a small quantity of pH6.86, pH4.01 and pH9.18 solution into clean beakers.
- 2) For a particularly accurate calibration, it is advised to use two beakers for each buffer solution; one for rinsing the electrode, one for the calibration. In this way, the risks of contaminating the buffer solution are reduced to a minimum.
- 3) Turn on the meter. Short press the "MODE" button, choice the PH for measuring.
- 4) Immerse the electrode in a pH 6.86 buffer solution, and gently shake it until the reading to stabilize.
- 5) Press and hold the "TEMP/CAL" button about 5 seconds until 686 appears on the display. Release the button. The LCD will display "6.86". Rinse the electrode with distilled water.
- 6) Immerse the electrode in a pH 4.01 buffer

solution, and gently shake it until the reading to stabilize.

- 7) Press and hold the "TEMP/CAL" button about 5 seconds until 400 appears on the display. Release the button. The LCD will display "4.01". Rinse the electrode with distilled water.
- 8) Immerse the electrode in a pH9.18 buffer solution, gently shake the electrode and waiting for the reading to stabilize. The showing value and buffer solution's pH value is within error range.

The calibration of the instrument's pH range is now complete.

Note: It is always recommended to carry out a two point calibration for better accuracy.

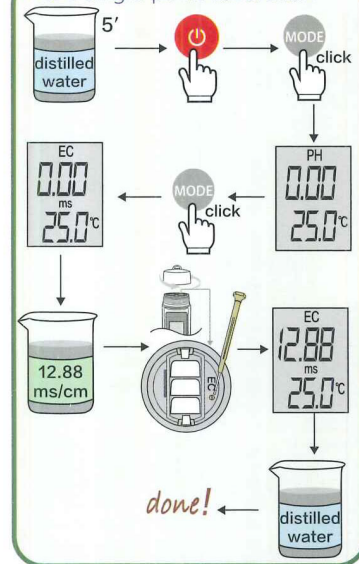
Important:

The ph meter should be recalibrated under following situations:

- \*The meter has been used for long time since the last calibration or use.
- \*The meter has been used in particularly continual conditions.
- \*The utmost accuracy is required.
- \*Do not long press the "TEMP/CAL" button at ordinary times, otherwise the meter needs to be recalibrated.

III. EC

For a single-point calibration



1) Turn on the meter. Short press the "MODE" button, choice the EC-ms for measuring.

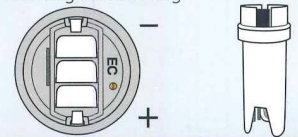
- 2) Immerse the electrode in the distilled water. Activate it about five minutes.
  - 3) Immerse the electrode in EC calibration solution (12.88ms/cm at 25°C). And stir it gently.
  - 4) Unscrew the battery compartment cap on the top of the meter.
  - 5) Allow the reading to stabilize and with a small screwdriver turn the calibration trimmer until the display shows "12.88".
  - 6) Rinse the electrode with distilled water and suck it with filter paper.
  - 7) Immerse the electrode in EC calibration solution (1.43mS/cm at 25°C). And stir it gently, until the display value is the same as the value of calibration solution or approaching the value in the error range.
  - 8) Rinse the electrode with distilled water and suck it with filter paper. Replace the battery compartment cap.
- The calibration of the instrument's EC range is now complete.

BATTERY REPLACEMENT

When the battery character appears on the display, indicating that the voltage is insufficient, please replace the battery. Unscrew the battery case and replace all three batteries, while paying attention to the correct polarity. Batteries should only be replaced in a non-hazardous area and using the battery type specified in this instruction manual.

ELECTRODE REPLACEMENT

1. Remove the protective cap.
2. Unscrew the plastic ring on the top of the electrode.
3. Pull out the electrode and replace it with a new one.
4. Make sure the gaskets are in place before screwing back the ring.



WARRANTY

These instruments are warranted from all defects in material and manufacturing or a period of one year from the date of purchase. If during this period, the repair or the replacement of parts are required where the damage is not due to negligence or erroneous operation by user, please return the parts to either dealer or our offices, and the repair will be effected free of charge.