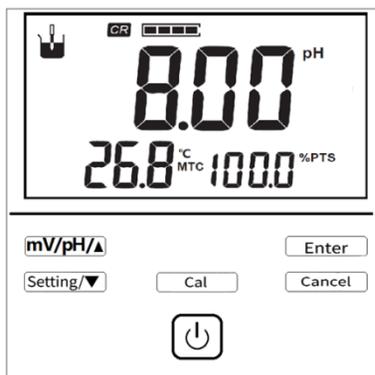


PH100B pH Meter Operation Quick Guide

1. Specification

Parameters: pH, mV
 pH level: 0.02pH
 pH range: (-0.00 ~ 14.00)pH
 mV range: (-1800 ~ 1800)mV

2. Screen Icons



Symbol	Explanation	Symbol	Explanation
	Reading state		Automatic shutdown
mV	mV	pH	pH
Sec	Sec	°C	°C
MTC	Manual temperature compensation	%PTS	Percentage slope value

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Symbol	Explanation	Symbol	Explanation
	Measurement		Calibration
	Setting		

3. Maintenance & Precaution

3.1. The meter

- Before turning on the instrument each time, please check the electrode socket at the back of the instrument, it must be ensured that they are connected with measuring electrodes or Q9 short-circuit plug, otherwise it may damage high-resistance device of the instrument.
- Please place the Q9 short-circuit plug in a dry and clean environment to prevent short-circuit plug head being corroded and affects the short-circuit effect.
- The electrode socket of the meter must be kept clean and dry, and should not be in contact with acid, alkali or salt solution.
- If the meter is not used for a long time, please disconnect the power supply.

3.2. pH composite electrode

- After the measurement, the electrode protection cap should be put on in time, and the protection cap should be some external reference supplement solution to keep the electrode bulb moist, do not keep the electrode soaked in distilled water for a long time.
- The Q9 short-circuit plug of the electrode should be kept clean and dry to prevent short-circuit by corrosion, or else it would result in measurement inaccuracy or failure.

4. Preparation

- Install the instrument and electrode.
- Prepare standard buffer solutions such as pH4.01, pH7.00, pH10.01 to calibrate.
- Remove the protective cap at the lower end of the pH electrode, pull down the rubber cover at the upper end of the electrode. Expose the top

hole, rinse the electrode with distilled water.

- 4 . Press the power key to turn on the instrument.

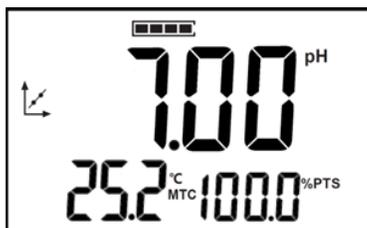
5. Calibration

- 1 . Enter "Cal" key to calibrate in the measurement state.
- 2 . Put the cleaned electrode into the standard solution 1(such as pH7.00 standard solution), at the same time, measure the temperature of the solution with a thermometer.
- 3 . Press the "Setting/▼" key and use "mV/pH▲" or "Setting/▼" to set the current temperature value. Press "Enter" key to return to the calibration state.
- 4 . After the reading is stable, press the "Cal" key to complete the 1-point calibration, and the instrument identifies standard solution 1 and display the standard pH value at the current temperature.
- 5 . If multi-point calibration is required, please replace other standard buffer solutions and repeat steps 2, 3 and 4

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calibration procedure. The instrument supports up to 2-point calibration, after 2 standard solution calibrations, the instrument will automatically end the calibration and return to the measurement state.

Note: If only 1 point calibration is required (electrode slope is 100%), after completing 1 point calibration, press the "Cancel" key to leave the calibration state and enter the measurement state.



6. Measurement

- 1 . Put the cleaned electrode into the solution to be tested, at the same time, measure the temperature of the solution with a thermometer.
- 2 . Press the "Setting/▼" key and select the temperature setting "1" by "mV/pH▲" or "Setting/▼". Press

"Enter" to enter the temperature value setting.

- 3 . Use "mV/pH▲" or "Setting/▼" to set the current temperature value, Press "Enter" to return to measurement status.
- 4 . It can be read when the data stability mark is full.
- 5 . Press the "pH/mV/▲" key to switch between pH and mV results displayed.

Note: For accurate measurement, please calibrate and measure at the same temperature.

