

PH40F pH Meter

Operation Manual

1. Specification

Parameter: mV, pH, Temperature

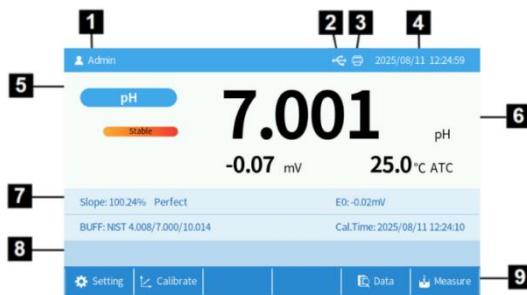
mV: (-2000.00 ~ 2000.00)mV

pH: (-2.000 ~ 20.000)pH

Temperature:

(-10.0 ~ 135.0)°C, (14.0~275.0)°F

2. Screen Icons



2.1. Annotation

No.	Explanation
1	User ID
2	PC connection
3	Printer connection
4	System time
5	Parameter
6	Measurement value

No.	Explanation
7	Setting and calibration information
8	Operation tips
9	Soft key

2.2. Symbol

Symbol	Explanation
Stable	Reading status, display the measurement status of reading, stable, locked
PTS	The percentage slope of the pH electrode calibration data.
E0	Zero potential
BUFF	Standard solution for pH calibration
Cal. Time	Calibration time
ATC	Automatic temperature compensation
MTC	Manual temperature compensation
	PC connection
	Printer connection
	User ID

Symbol	Explanation
	Operation tips

3. pH Operation Quick Guide

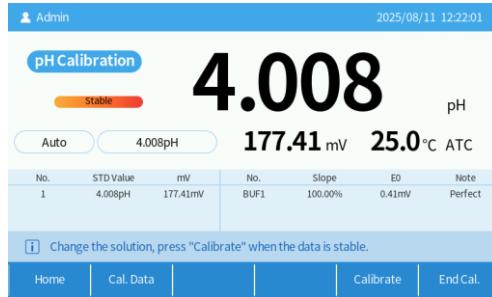
3.1. Preparation

1. Install the components of the instrument and connect the pH and temperature electrode.
2. Prepare standard buffer solutions such as pH 4.008, pH 7.000 and pH 10.014 standard solutions.
3. 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, and dry with filter paper.
4. Press the power key to turn on the instrument.

3.2. Calibration

1. Setting.
 - 1) Set the parameters (e.g.pH).
 - 2) Select NIST standard solution group, and check pH 4.008, pH 7.000 and pH 10.014 three standard solutions.

- 3) Set the auto buffer recognition.
2. Press the "Calibrate" -"Calibrate the pH electrode".
3. Put the cleaned electrode into pH 4.008 standard solution.
4. It displays "Auto". When the pH and temperature reading is stable, press the "Calibrate".
5. If only 1-point calibration is required, after 1-point calibration is completed, press the "End Cal" key to complete the calibration.
6. If multi-point calibration is required (up to 5), please replace the pH7.000 and pH10.014 standard buffer solutions. After cleaning the electrode, put the electrode into the standard solution. After the meter recognizes it successfully, the reading is stable , press the "Calibrate" to complete the calibration.
7. In the end of calibration, it shows the calibration information, please check the calibration information, and save the calibration results.



3.3. Measurement

1. Setting.
 - 1) Set the parameters (e.g.pH).
 - 2) Set the reading mode (e.g., continuous reading, auto-reading, or timed reading).
2. Set the pH parameter, pH resolution, and reading mode (e.g., continuous reading, auto-reading, or timed reading).
3. Connect the ATC probe or enter the temperature manually.
4. Rinse the pH electrode with DI water, and dry out.
5. Put the electrode into the test solution under test.
6. Put the measurement end of the electrode into the sample solution.

7. Press the "Measure" and select the measure content.
8. When the reading is stable, read the results.

