pH100

pH Tester

Product Manual

Description ////

The pH100 Pen type pH meter is a new generation of portable pH tester developed by our company. It has built-in automatic temperature compensation function. It has the advantages of high accuracy, good sensitivity, small size and light weight. It is widely used in tap water, water treatment, aquaculture, swimming pool water, etc.
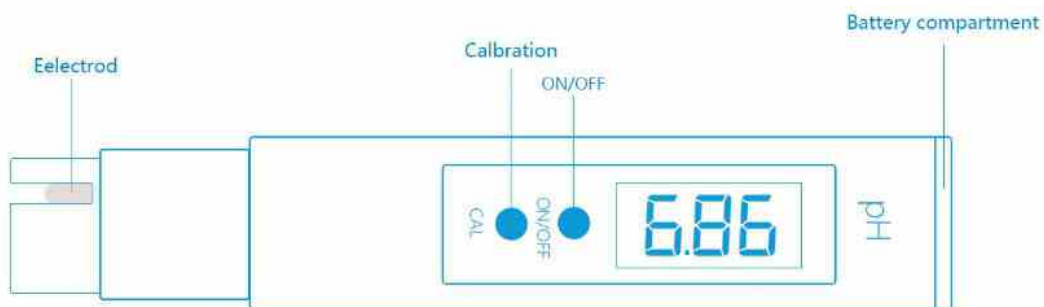
Features ////

- High accuracy (±0.05pH)
- High sensitivity
- Automatic temperature compensation
- One-key automatic calibration (3-point calibration)
- Long standby time (up to 1 year)
- Small size and light weight

PARAMETERS ////

Model	pH100
Measuring range	0～14pH
Accuracy	±0.05pH
Resolution	0.01pH
Temperature range	0～50℃
Temperature compensation	ATC(Automatic temperature compensation)
Calibration	3-point calibration
Power Supply	Battery powered (2*1.5V, LR44 button battery)
Dimensions(mm)	155*31*18
Weight	50g(net weight)

OPERATION ////

① Take the cap off and then Press the "ON/OFF" Button

② Check Reading
Immersion Line

③ Replace the cap after cleaning the electrode

①Remove the protective cap and then Turn the meter on by pressing the "ON/OFF" Button.

②Immerse the ph meter electrode in the solution to be tested (can not be over the immersion line) and then stir gently to wait about 30 seconds till the reading stabilized.

③After finished,clear the electrode with pure or distilled water,dry it with tissue,Turn the meter off by pressing the "ON/OFF" Button.

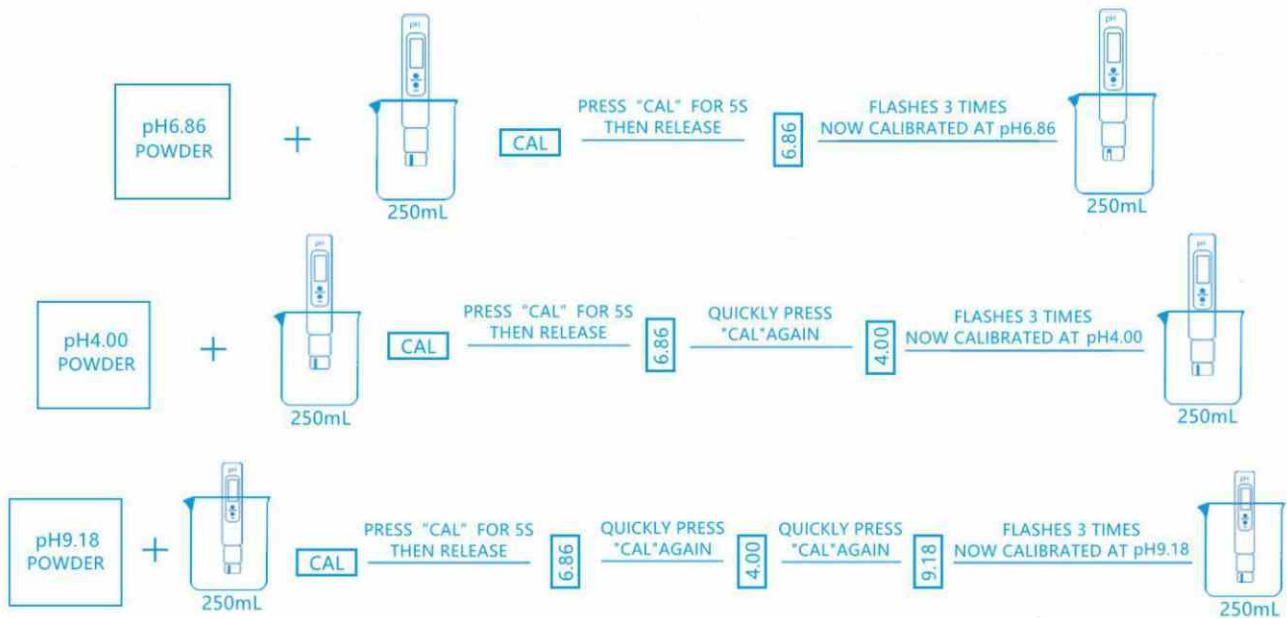**Note:** Advice to calibrate the meter before using, Please check the calibration chart.

CALIBRATION ////

pH100 has a three-point calibration function: 4.00pH, 6.86pH, 9.18pH.

6.86pH: Pour the whole package of 6.86pH powder into a dry beaker, pour into 250mL of distilled water to completely dissolve it, and make a pH 6.86 standard solution. Press "ON/OFF" to turn on, and put the pH pen into the pH 6.86 standard solution. Long press the "CAL" calibration key, the screen flashes 3.86 3 times, release the "CAL" calibration key, enter the automatic calibration mode, when the display number stabilizes at 6.86pH, calibration is completed.

② 4.00pH: Pour the whole package of 4.00pH powder into a dry beaker, pour into 250mL of distilled water to completely dissolve it, and make a pH4.00 standard solution. Press "ON/OFF" to turn on, and put the pH pen into the pH4.00 standard solution. Long press the "CAL" calibration key, the screen flashes 6.86, quickly press the "CAL" calibration key once, the screen flashes 3.00 times, release the "CAL" calibration key, enter the automatic calibration mode, when the display number is stable at 4.00pH, The calibration is complete.

③ 9.18pH: Pour the whole package of 9.18pH powder into a dry beaker, pour into 250mL of distilled water to completely dissolve it, and make a pH9.18 standard solution. Press "ON/OFF" to turn on, and put the pH pen into the pH9.18 standard solution. Long press the "CAL" calibration key, the screen flashes 6.86, quickly press the "CAL" calibration key twice, the screen flashes three times 9.18, release the "CAL" calibration key, enter the automatic calibration mode, when the display number is stable at 9.18pH ,
The calibration is complete.

Note: During the calibration process, the pH pen must not leave the calibration solution. If Err (as shown in the figure below) appears, recalibration is required.