

PH-08

Waterproof pH/Temperature Soil Meter

Specifications

<i>Range</i>	PH	0.00~14.00PH
	Temp	0~50°C(32°F~122°F)
<i>Resolution</i>	PH	0.01PH
	Temp	0.1°C
<i>Accuracy</i>	PH	±0.02PH
	Temp	±1°C(±2°F)
<i>Automatic temperature compensation</i>	0°C~50°C	
<i>Battery</i>	2×1.5V(AAA)	
<i>Operating temperature</i>	0°C~50°C	
<i>Calibration</i>	2 points with auto buffer recognition	
<i>Automatic shut-down</i>	8min	
<i>Dimensions</i>	210 x 40 x 25 mm	
<i>weight</i>	97g	

Operation

Before using the instrument, please insert the electrode into a KCl solution and activate it for half an hour.

1. Remove the protective cap. Press the ON/OFF button to turn on the meter.
2. Immerse the pH meter electrode in the soil or solution to be tested. (The soil must be in a fresh or moist state. If it is dry, add an appropriate amount of water to moisten it.)
3. Read the measured value after it stabilizes.
4. Tap the °C/°F key to switch between Celsius and Fahrenheit.
5. After use, turn off the power. Rinse the electrode with clean water and put the cap back on.

Calibration

Notice - For pH calibration, calibrate pH 6.86 before calibrating pH 4.00. When preparing the calibration solution, it is important to ensure that the calibration powder is completely dissolved in 250 ml of purified water (dissolution time of not less than 1 hour). Incomplete dissolution will result in inaccurate or failed calibration.

1. Turn on the meter and remove the cap.
2. Suspend the probe and place it in the pH 6.86 calibration solution. Shake the meter gently until the display is stable.
3. Long press the CAL button (about 5 seconds). The meter will enter the automatic calibration state. If the displayed value matches the pH value of the standard buffer solution at this temperature, the pH 6.86 calibration is completed. If the standard buffer solution is incorrect, the meter will display "Err" for 3 seconds, and no calibration will be performed.
4. Rinse the electrode with distilled water and dry it with filter paper. Suspend the probe and place it in the pH 4.01 calibration solution. Shake the meter gently until the display is stable.
5. Long press the CAL button (about 5 seconds). The meter will enter the automatic calibration state. If the displayed value matches the pH value of the standard buffer solution at this temperature, the pH 4.01 calibration is completed. If the standard buffer solution is incorrect, the meter will display "Err" for 3 seconds, and no calibration will be performed.
6. Rinse the probe with distilled water and dry it with filter paper. Suspend the probe and place it in the pH 9.18 calibration solution. Shake the meter gently until the display is stable. If the displayed value is within the allowable error range compared to the standard buffer solution, the pH calibration is completed.

Important:

1. The instrument's pH range must be re-calibrated whenever:
 1. The electrode has not been used for a long time since the last calibration.
 2. The electrode has been used in particularly taxing conditions.
 3. Utmost accuracy is required.
2. During normal use, the meter can only perform pH 6.86 single-point calibration. The above calibration step 5 can be ignored.
3. The meter has a low-voltage prompt function; please replace the battery in time.
- 4. During measurement and calibration, the probe should not touch the cup wall or bottom. Suspend the electrode in the calibration solution, with the probe tip located at the center of the solution and completely submerged.**

Batteries installation

When the low-voltage battery symbol appears on the display screen, it indicates that the battery is low and needs to be replaced. Unscrew the cap on top and replace the old batteries with new ones, ensuring you note the positive and negative polarity of the batteries. It is best to remove the battery if the device will not be used for an extended period.

Warranty

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