

Benchtop pH Meter



PH-25



PH-3CU

Introduction:

pH meter is an electrochemical instrument designed for the precise measurement of the acidity or alkalinity(pH value) of an aqueous solution. Its core component is a glass electrode sensitive to hydrogen ions. The device operates by measuring the potential difference generated between the electrode and the solution, which is then converted into a corresponding pH reading based on the Nernst equation. To ensure accurate measurements, regular calibration using standard buffer solutions is required. The pH meter is widely used across various fields, including industrial process control, environmental monitoring, food safety, pharmaceutical and biochemical industries, as well as agricultural research, making it an essential tool for quantitative analysis and quality control.

Accessories:

- Meter
 pH composite electrode
 Calibration solution

Features:

- * Use a large screen and LCD display.
- * PH-25: pH; mV, PH-3CU: pH; mV; temperature
- * Equipped with USB communication interface, REX data acquisition software(For PH-3CU).
- * PH-25 has a manual temperature compensation function, PH-3CU has the functions of manual and automatic temperature compensation.
- * One or three-point calibration.
- * The electrode holder allows for flexible adjustment of the electrode position, facilitating testing.

Technical Parameters:

Model		PH-25	PH-3CU
pH	Range	0.00~14.00pH	-2.00~19.99pH
	Resolution	0.01pH	
	Accuracy	±0.02pH ± one digit	±0.01pH ± one digit
	Calibration Points	1~3 points, automatically	
mV	Range	0~1599mV	-1999~1999mV
	Resolution	1mV	
	Accuracy	±1%FS	±1mV ± one digit
Temperature	Range	/	0.0~80.0℃
	Resolution	/	0.1℃
	Accuracy	/	±0.1℃
Temp. Compensation Range		0.0~60.0℃	0.0~80.0℃
Power Requirements		DC(9V, 1.0A)	
External Size(W*D*H)		220*160*65mm	290*210*95mm
Package Size(W*D*H)		330*300*145mm	365*300*215mm
Net Weight		1.5kg	
Gross Weight		2.5kg	