

Benchtop pH Meter



Introduction:

This benchtop pH meter is a high-precision and versatile analytical instrument widely used in environmental monitoring, ecological research, sewage treatment, industrial and mining enterprises, agricultural production, pharmaceutical manufacturing, teaching experiments, and scientific research. It enables rapid and accurate sampling and measurement of the pH value of aqueous solutions, as well as electrode potential (mV value), offering stable performance and user-friendly operation. Equipped with advanced electrode technology, the instrument provides strong anti-interference capability and temperature compensation performance, ensuring reliable data even under complex sample conditions. Its large screen and intuitive interface enhance measurement efficiency, while data storage functionality supports further analysis and record-keeping.

Accessories:

PH-P100: Meter; plastic pH electrode; pH buffer solution: 4.00/7.00/10.01, 50mL, one for each; electrode holder; power adaptor
PH-P100T: Meter; refillable glass pH probe; stainless steel probe; pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each; flexible probe holder; PC cable; power adaptor

Features:

- * High-resolution LCD display screen.
- * With built-in microprocessor chip, automatic calibration, automatic temperature compensation, data storage, parameter setup, etc.
- * Automatic calibration, self-diagnosis, automatically recognizing standard buffer solutions (USA or NIST series)
- * Fast response, high accuracy, stable reading display.
- * Auto Temp. Compensation, measuring pH and temperature simultaneously.
- * The kit comes with an ATC pH probe, electrode holder and 3 bottles of pH buffer solutions for convenient use.
- * IP54 dustproof and spillproof.

Technical Parameters:

Model		PH-P100	PH-P100T
pH	Range	-2.00~20.00pH	
	Resolution	0.01/0.1pH	0.001/0.01pH
	Accuracy	±0.01pH ± one digit	±0.002pH ± one digit
	Calibration Points	1~3 points, automatically	1~5 points, automatically
	ATC Range	-9.9~130.0°C/14.1~266.0°F	-10.0~135.0°C/14.0~275.0°F
mV(ORP probe optional)	Range	-1999~1999mV	
	Resolution	1mV	0.1mV
	Accuracy	±0.1% FS ±one digit	±0.03% FS ±one digit
Temperature	Range	-9.9~130.0°C/14.1~266.0°F	-10.0~135.0°C/14.0~275.0°F
	Resolution	0.1°C	
	Accuracy	±0.2°C	
Data Storage		450 groups	500 groups
Data Transfer		USB stick Bluetooth connection to printer (Printer is optional)	USB to flash disk USB to PC Wireless connection to printer (Printer is optional)
Power Requirements		DC12V	
External Size(W*D*H)		200*170*64mm	
Package Size(W*D*H)		540*330*130mm	
Net Weight		550g	567g
Gross Weight		2.2kg	