

# PHscan Series Pocket pH Tester



## PHscan20 Features

- 2 points push-button calibration with auto-buffer recognition
- Automatic temperature compensation ensures accurate readings over the entire range
- Hold function momentarily freezes reading for easy viewing and recording
- Auto-power off effectively conserves battery life
- Replaceable electrode module reduces maintenance and replacement cost



## PHscan30 Features

- 1 to 3 points calibration with automatic recognition for USA and NIST buffers
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-read function senses and locks the measurement endpoint
- Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- Reset function automatically restores all settings to the factory defaults



## PHscan40 Features

- BNC connector is easy to connect to different types of pH electrodes
- 1 to 3 points calibration with automatic recognition for USA and NIST buffers
- Manual temperature compensation provides a wide range of temperature input
- Auto-read function senses and locks the measurement endpoint
- Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- Reset function automatically restores all settings to the factory defaults



## Replaceable pH Electrodes



E-PHscan-S

- Circular pH-sensitive membrane
- For measuring the general water samples



E-PHscan-F

- Flat surface pH-sensitive membrane
- For measuring surfaces of semisolid and gel samples, such as printing ink, paints, papers, textiles, creams, doughs, etc.



E-PHscan-L

- Circular pH-sensitive membrane
- For measuring the samples in small containers (>Ø12 mm)



E-PHscan-P

- Spear tip pH-sensitive membrane
- For penetrating and measuring semisolid samples, such as soil, fruits, vegetables, meat, cheese, etc.

## Specifications

Model		PHscan20	PHscan30	PHscan40
pH	Range	0.00~14.00pH	-1.00~15.00pH	-1.00~15.00pH
	Resolution	0.01 pH	0.01 pH	0.01 pH
	Accuracy	±0.05 pH	±0.01 pH	±0.01 pH
	Calibration	2 points	1 to 3 points	1 to 3 points
	pH Buffer Options	4.01/7.00/10.01	4.01/6.86/7.00/9.18/10.01	4.01/6.86/7.00/9.18/10.01
Temperature	Range	0~60°C	0~60°C/32~140°F	0~100°C/32~212°F
	Resolution	1°C	0.1°C/0.1°F	0.5°C/0.5°F
	Accuracy	±1°C	±1°C/±1.8°F	—
	Offset Calibration	—	1 point, reading ±10°C	—
Other Specifications	Temperature Compensation	0~60°C, automatic	0~60°C, automatic	0~100°C, manual
	Hold Function	Manual	Manual or auto-endpoint	Manual or auto-endpoint
	Auto-Off	8 minutes after last key pressed	8 minutes after last key pressed	8 minutes after last key pressed
	Operating Temperature	0~50°C	0~50°C	0~50°C
	Display	Single-line LCD (21×21 mm)	Dual-line LCD (21×21 mm)	Dual-line LCD (21×21 mm)
	Power Requirements	3×1.5V LR44 micro alkaline batteries	2×1.5V AAA batteries	2×1.5V AAA batteries
	Battery Life	Approx. 150 hours of continuous use	Approx. 200 hours of continuous use	Approx. 200 hours of continuous use
	Dimensions	185(L)×40(Ø)mm	185(L)×40(Ø)mm	175(L)×40(Ø)mm
Weight		100 g	100 g	100 g

## Ordering Information

- PHscan20/30-E: Tester, pH buffer reagents
- PHscan20/30-K: Tester, pH buffer solutions, carrying case
- PHscan40: Tester, E201-BNC plastic-body pH electrode, pH buffer solutions, carrying case