

# 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



## Optional pH Electrodes



E-PHscan-S

- Circular pH-sensitive membrane
- For measuring the general water samples (non-high temperature, non-viscous, non-corrosive liquids)



E-PHscan-F

- Flat surface pH-sensitive membrane
- For measuring surfaces of semisolid and gel samples, such as printing inks, paper, textiles, creams, ointments, vegetables, fruits, meat, etc.



E-PHscan-L

- Circular pH-sensitive membrane
- For measuring the samples in small containers (>Ø15 mm), such as test tubes, beverage containers, etc.



E-PHscan-P

- Spear tip pH-sensitive membrane
- For piercing and measuring the soft solids, such as soil, cheese, dough, orange, etc.

## Specifications

Model		PHscan20	PHscan30	PHscan40
pH	Range	0.00...14.00 pH	-1.00...15.00 pH	-1.00...15.00 pH
	Resolution	0.01	0.01	0.01
	Accuracy	±0.05 pH	±0.01 pH	±0.01 pH
	Calibration	2 points	1...3 points	1...3 points
pH Buffer Options		4.01/7.00/10.01	4.01/6.86/9.18 or 4.01/7.00/10.01	4.01/6.86/9.18 or 4.01/7.00/10.01
Temperature	Range	0...60°C	0...60°C/32...140°F	0...100°C/32...212°F
	Resolution	1	0.1	0.5
	Accuracy	±1°C	±1°C/±1.8°F	—
	Offset Calibration	—	1 point, reading ±10°C	—
General	Temperature Compensation	0...60°C, automatic	0...60°C, automatic	0...100°C, manual
	Hold Function	Manual	Manual or auto-lock endpoint	Manual or auto-lock 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 Supply	3×1.5V LR44 batteries	3.7V rechargeable battery	3.7V rechargeable battery
	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	120 g	120 g

## Ordering Information

- PHscan20-E: Tester, pH buffer reagents
- PHscan20-K: Tester, pH buffer solutions, carrying case
- PHscan30: Tester, pH buffer solutions, USB cable, power adapter, carrying case
- PHscan40: Tester, E201 pH electrode, pH buffer solutions, USB cable, power adapter, carrying case