

Portable pH/ORP Meter



Measurement Parameters:

PH-220: pH, mV, temperature
 PH-221: pH, mV, relative mV, temperature

PH-220 Features:

- * 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- * Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
- * 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 resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 100 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.

PH-221 Features:

- pH**
- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
 - * Automatic electrode diagnosis shows the pH slope and offset.
 - * Automatic temperature compensation ensures accurate readings over the entire range.
 - * Calibration due alarm prompts user to calibrate the meter regularly.
- ORP**
- * 1 point offset calibration allows adjusting the displayed value to a known standard
 - * Relative and absolute millivolt modes ensure the reliable ORP measurements
- General Features**
- * Auto-Read function senses and locks the measurement endpoint
 - * Auto-Power Off effectively conserves battery life
 - * Setup menu allows setting the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
 - * Reset function automatically resumes all settings back to the factory defaults
 - * Expanded memory stores or recalls up to 500 data sets
 - * USB communication interface is easy to transfer data to PC
 - * Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly

Accessories:

- * PH electrode
- * Temperature probe
- * PH buffer solutions (pH4.01/7.00/10.01)
- * Carrying case



Technical Parameters:

Model		PH-220	PH-221
pH	pH Range	-2.00~20.00pH	-2.000~20.000pH
	pH Accuracy	±0.01pH	±0.002pH
	Resolution	0.01pH	0.1, 0.01, 0.001pH, Selectable
	Calibration Points	1 to 3 points	1 to 5 points
	pH Buffer Options	USA (4.01/7.00/10.01), NIST (4.01/6.86/9.18)	USA (pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75) or 2 custom buffers
mV(ORP probe optional)	mV Range	-1999~1999mV	-1999.9~1999.9mV
	mV Accuracy	±1mV	±0.2mV
	Resolution	1mV	0.1, 1mV, Selectable
	Calibration Points	/	1 point
Temperature	Temperature Range	0~105°C/32~221°F	
	Temperature Accuracy	±0.5°C/±0.9°F	
	Resolution	0.1°C/0.1°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Slope/Offset Display	Yes	
	Hold Function	Manual or auto-endpoint	
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	
	Connector	BNC, 3.5 mm jack socket	
	Display	Custom LCD (80 × 60 mm)	
	Power Requirements	3*1.5V AA batteries or DC5V power adapter	
	Battery Life	Approximately 150 hours (Turn off the backlight)	
	Dimensions(W*D*H)	170*85*30mm	
	Package Size(W*D*H)	475*155*350mm	
	Net Weight	300g	
	Gross weight	2kg	