

Portable pH/Ion Meter



Measurement Parameters:

PH-320: pH, mV, relative mV, ion concentration, temperature
 PH-321: Ion concentration, mV, temperature

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.
ORP
 * 1 point offset calibration allows adjusting the displayed value to a known standard.
 * Relative and absolute millivolt modes ensure the reliable ORP measurements.
Ion Concentration
 * 2 to 5 points calibration, including the 8 concentration points can be selected.
 * Direct ion concentration readout simplifies the measurement process.
 * Automatic electrode diagnosis shows the calibration points and slopes.
 * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

General Features:

- * Automatic temperature compensation ensures accurate readings over the entire range.
 * Auto-Read function senses and locks the measurement endpoint.
 * Calibration due alarm prompts user to calibrate the meter regularly.
 * Auto-Power Off effectively conserves battery life.
 * Setup menu allows setting the 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.

Optional Ion Selective Electrodes:

Ammonium (NH₄⁺), bromide (Br⁻), cadmium (Cd²⁺), calcium (Ca²⁺), chloride (Cl⁻), cupric (Cu²⁺), cyanide (CN⁻), fluoride (F⁻), iodide (I⁻), lead (Pb²⁺), nitrate (NO₃⁻), potassium (K⁺), silver (Ag⁺), sodium (Na⁺), sulphide (S²⁻) and ammonia (NH₃)

Accessories:

- * PH-320: Meter, PH electrode, temperature probe, PH buffer solutions(pH4.01/7.00/10.01), carrying case
 * PH-321: Meter, ion selective electrode, temperature probe, standard solutions (100/1000ppm), ionic strength adjuster and carrying case



Technical Parameters:

Model		PH-320	PH-321
pH	pH Range	-2.000~20.000pH	/
	pH Accuracy	±0.002pH	/
	Resolution	0.1, 0.01, 0.001pH, Selectable	/
	Calibration Points	1~5 points	/
	pH Buffer Options	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	/
ORP	mV Range	-1999.9~1999.9mV	
	Relative mV Range	-1999.9~1999.9mV	/
	mV Accuracy	±0.2mV	
	Resolution	0.1, 1mV, Selectable	
	Calibration Points	1 point(Only for Relative mV mode)	/
Ion	Ion Concentration Range	0.001~19999(Depending on the range of ISE)	
	Ion Concentration Accuracy	±0.5% F.S(Monovalent),±1% F.S(Divalent)	
	Calibration Points	2~5 points	
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000(ppm, mg/L, mol/L, mmol/L)	
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	10, 20 or 30 minutes after last key pressed	
	Memory	500 data sets	
	Communication Interface	USB	
	Connector	BNC, 3.5 mm jack socket	
	Display	Custom LCD(80*60mm)	
	Power Requirements	3*1.5V AA batteries or DC5V power adapter	
	Battery Life	Approximately 150 hours(Turn off the backlight)	
	External Size(W*D*H)	170*85*30mm	
	Package Size(W*D*H)	475*155*350mm	
	Net Weight	300g	
	Gross weight	2kg	