

Portable pH/Ion Meter



PH-320

PH-321

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 electrode
- * Temperature probe
- * PH buffer solutions (pH4.01/7.00/10.01)
- * 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	0.001~19999ppm, mg/L, mol/L (Refer to 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)	
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*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		