

Benchtop pH/ORP/Ion Meter



pH:

- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- * Automatic electrode diagnosis shows the pH slope and offset
- * Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C

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
- * Electrode management is capable of storing and recalling up to 3 electrode slopes
- * Automatic electrode diagnosis shows the calibration points and slopes
- * Selectable ion measurement methods (direct reading, known addition, known subtraction, sample addition, sample)

Water Hardness:

- * 2 to 5 points calibration from low to high concentrations
- * Selectable measurement units (German degree, English degree, French degree, mmol/L and mg/L) are used for professional water hardness measurements

General Features:

- * Automatic temperature compensation ensures accurate readings over the entire range
- * Auto-Read function senses and locks the measurement endpoint
- * Timed Interval Readings sends the measurement data to a PC or printer
- * Limit Alarm automatically alerts when reading exceeds the specified range
- * Calibration due alarm prompts user to calibrate the meter regularly
- * Password protection prevents the unauthorized calibration and settings
- * Expanded memory stores or recalls up to 1000 data sets
- * Reset function automatically resumes all settings back to the factory defaults

Technical Parameters:

Model	PH-A120-CN PH-A120-UK	PH-A130-CN PH-A130-UK	PH-A131
PH	Range	-2.000~20.000pH	—
	Resolution	0.001, 0.01, selectable	—
	Accuracy	±0.002pH	—
	Calibration Points	1 to 5 points	—
	pH Buffer Options	USA, NIST, DIN, 5 custom buffers	—
ORP (optional)	mV Range	±2000.0mV	•
	Relative mV Range	±2000.0mV	—
	Resolution	0.1mV	•
	Accuracy	±0.2mV	•
	Calibration Points	1 point	—
Ion (optional)	Range	0.001~30000 (depending on the range of ISE)	•
	Resolution	0.001, 0.01, 0.1, 1	•
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)	•
	Measurement Units	ppm, mg/L, mol/L, mmol/L	•
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	•

Technical Parameters:

Model	PH-A120-CN PH-A120-UK	PH-A130-CN PH-A130-UK	PH-A131
Ion (optional)	Measurement Methods	Direct reading, known addition, known subtraction, sample addition, sample subtraction	—
	Electrode Management	1 to 3 electrodes	•
Water Hardness	Range	0.05~200mmol/L, 0~1122°dH, 0~1404°e, 0~2000°fH, 0~8000mg/L (Ca2+)	—
	Resolution	0.001, 0.01, 0.1, 1	•
	Accuracy	±1% F.S.	•
	Calibration Points	2 to 5 points (0.01, 0.1, 1, 10, 100mmol/L)	•
Temperature	Range	0~105°C/32~221°F	•
	Resolution	0.1°C/0.1°F	•
	Accuracy	±0.5°C/±0.9°F	•
	Offset Calibration	1 point, reading ±10°C	•
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	•
	Solution Temperature Coefficient	25°C	•
	Stability Criteria	Standard or high-accuracy	•
	Calibration Due Alarm	1 to 31 days or off	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or off	•
	Password Protection	4 digits	•
	Memory	1000 data sets	•
	Communication Interface	USB	•
	Connector	BNC, 3.5 mm jack socket	•
	Display	7 inches TFT LCD	•
	Power Supply	Standard: 220V 50/60Hz, optional: 110V 50/60Hz, DC12V power adapter	•
	Outer Dimensions	240* 220* 80 mm	•
	Net Weight	1.7kg	•
Packing Size	320*250*200mm	•	
Gross Weight	1.8kg	•	

Remarks:

• means with; — means without.

Difference of PH-A120/130-CN& PH-A120/130-UK:

- * PH-A120/130-CN electrode is E201-BNC plastic body pH electrode, PH-A120/130-UK electrode is P11 glass pH electrode
- * PH-A120/130-UK is more accurate than PH-A120/130-CN

Ordering Information:

- * PH-A120/130-CN: Meter, E201-BNC plastic body pH electrode, temperature probe, pH buffer sachets, electrode holder and power adapter
- * PH-A120/130-UK: Meter, P11 glass pH electrode, temperature probe, pH buffer sachets, electrode holder and power adapter
- * PH-A131: Meter, ion selective electrode, temperature probe, standard solutions (100/1000ppm), ionic strength adjuster, electrode holder and power adapter