

# A120/130/131 Professional pH/ORP/Ion Meter **NEW**



## MEASUREMENT PARAMETERS

- A120 meter: pH, mV, Relative mV, Temperature.
- A130 meter: pH, mV, Relative mV, Ion Concentration, Water Hardness, Temperature.
- A131 meter: Ion concentration, Water Hardness, mV, Temperature.

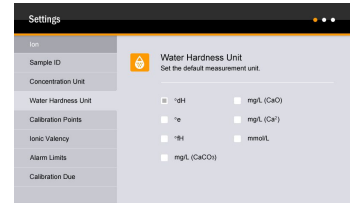
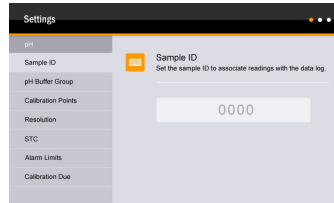
## FEATURES

### pH:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic Temperature Compensation provides accurate reading over the entire pH range.
- Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C.
- Limit alarm alerts when reading exceeds range.

### ORP:

- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute millivolt modes provide the reliable ORP measurements.



### ION:

- Selectable ion measurement methods, including the direct reading, known addition, known subtraction, sample addition and sample subtraction.
- Selectable concentration units include the ppm, mg/L, mol/L and mmol/L.
- 2 to 5 points calibration, containing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrodes, does not need to specify type of ion.
- Electrode management is capable of storing the 3 slopes and recalling the calibration data of each electrode.
- Calibration report provides the details of the calibration standards and slopes.

### 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:

- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Read feature senses and locks the measurement endpoint.
- Interval Readings automatically send the measured data to the computer or printer.
- Password protection prevents the unauthorized calibration and settings.
- Expanded memory stores and recalls up to 1000 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Reset feature automatically resumes all settings back to factory default options.

## SPECIFICATION

Model			A120	A130	A131
pH	Measuring Range	-2.000~20.000pH	•	•	—
	Accuracy	±0.002pH	•	•	—
	Resolution	0.001, 0.01pH	•	•	—
	Calibration Points	1~5 points (USA, NIST, DIN or Custom)	•	•	—
mV	Measuring Range	±2000mV	•	•	•
	Accuracy	±0.2mV	•	•	•
	Resolution	0.1mV	•	•	•
	Calibration Points	1 point (Only for relative mV mode)	•	•	—
Ion	Measuring Range	0.001~30000ppm, mg/L, mol/L, mmol/L (Depending on range of the ion selective electrode)	—	•	•
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2~5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L, mmol/L)	—	•	•
	Measurement Methods	Direct reading, Known addition, Known subtraction, Sample addition, Sample subtraction	—	•	•
Water Hardness	Measuring Range	0.05~200mmol/L, 0~1120°dH, 0~1404°e, 0~2000°fH, 0~8000mg/L (Ca <sup>2+</sup> )	—	•	•
	Accuracy	±1% F.S	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2~5 points (0.01, 0.1, 1, 10, 100mmol/L)	—	•	•
Temperature	Measuring Range	0~105°C, 32~221°F	•	•	•
	Accuracy	±0.5°C, ±0.9°F	•	•	•
	Resolution	0.1°C, 0.1°F	•	•	•
	Calibration Points	1 point	•	•	•
General	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	•	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•	•
	Stability Criteria	Standard or High-accuracy	•	•	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or Off	•	•	•
	Calibration Due Alarm	1 to 31 days	•	•	•
	Memory	Stores up to 1000 data sets	•	•	•
	Output	USB communication interface	•	•	•
	Display	7 inch TFT LCD	•	•	•
	Power Requirements	DC12V/2A power adapter	•	•	•
	Dimensions	240(L)×220(W)×80(H)mm	•	•	•
Weight	1.7kg	•	•	•	

## METER INCLUDES

- A120 or A130 meter: pH electrode, temperature probe, pH buffer pouches (4.01/7.00/10.01), electrode holder and power adapter.
- A131 meter: ion selective electrode, temperature probe, electrode holder and power adapter.

## OPTIONAL ION SELECTIVE ELECTRODES

Including the ammonium (NH<sub>4</sub><sup>+</sup>), bromide (Br<sup>-</sup>), cadmium (Cd<sup>2+</sup>), calcium (Ca<sup>2+</sup>), chloride (Cl<sup>-</sup>), cupric (Cu<sup>2+</sup>), cyanide (CN<sup>-</sup>), fluoride (F<sup>-</sup>), iodide (I<sup>-</sup>), lead (Pb<sup>2+</sup>), nitrate (NO<sub>3</sub><sup>-</sup>), potassium (K<sup>+</sup>), silver (Ag<sup>+</sup>), sodium (Na<sup>+</sup>), sulphide (S<sup>2-</sup>) and ammonia (NH<sub>3</sub>).