

Bante320 Portable pH/Ion Meter



Meter Includes:

pH electrode, temperature probe, pH buffer solutions (pH4.01/7.00/10.01), batteries and carrying case.

Specifications:

Model	Bante 320
pH Range	-2.000~20.000pH
pH Accuracy	±0.002pH
Resolution	0.1, 0.01, 0.001pH, Selectable
Calibration Points	1~5 points
Calibration Solutions	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 User-defined
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
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 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 (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Power Requirements	3×1.5V "AA" batteries or DC5V power adapter
Dimensions	170(L)×85(W)×30(H)mm
Weight	300g

pH Mode:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer options or using the custom calibration solutions.
- Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:

- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute mV measurement modes provide accurate ORP readings.

Ion Concentration Mode:

- 2 to 5 points calibration providing the 8 concentration points can be selected.
- Automatically recognize ion electrodes, does not need to specify the type of ion.
- Direct ion concentration readout simplifies the elaborate measurement process.
- Selectable multiple concentration units include the ppm, mg/L and mol/L.

Others Features:

- Automatic Temperature Compensation provides accurate measured values.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Manual temperature calibration improves the measurement accuracy of meter.
- Selectable temperature unit (°C or °F) meets different application requirements.
- Automatic electrode diagnosis shows offset and electrode slope.
- System menu allows setting the 10 parameters, including the pH buffer standard, number of calibration points, resolution, stability condition, etc.
- Reset feature automatically resumes parameters back to factory default options.
- Expanded memory stores and recalls up to 500 readings.
- Built-in real-time clock stamps stored data to meet GLP standard.
- Stored data can be transferred into computer by USB communication interface.

Bante321 Portable Ion Meter



Meter Includes:

Ion Selective Electrode (Chosen by the customer), temperature probe, batteries and carrying case.

Specifications:

Model	Bante 321
Ion Concentration Range	Refer to the range of ISE
Ion Concentration Accuracy	± 0.5% F.S (Monovalent), ± 1% F.S (Divalent)
Resolution	0.001, 0.01, 0.1, 1
Calibration Points	2~5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
mV Range	-1999.9~1999.9mV
mV Accuracy	± 0.2mV
Resolution	0.1, 1mV, Selectable
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Power Off	Manual or Automatic (10, 20, 30 minutes)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3 × 1.5V "AA" batteries or DC5V power adapter
Dimensions	170(L) × 85(W) × 30(H)mm
Weight	300g

Features:

- 2 to 5 points calibration from low to high concentrations.
- Direct ion concentration readout simplifies the elaborate measurement process.
- Selectable multiple concentration units include the ppm, mg/L and mol/L.
- mV measurement mode allows checking the performance of ion selective electrode.
- Automatic Temperature Compensation ensures accurate measured values.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Selectable temperature unit (°C or °F) meets different application requirements.



- Automatic electrode diagnosis shows offset and electrode slope.
- Help message as a operational guide that helps you quickly begin using the meter.
- System menu allows setting the 8 parameters, including the ion valence, number of calibration points, stability condition, etc.
- Reset feature automatically resumes parameters back to factory default options.
- Expanded memory stores and recalls up to 500 readings.
- Built-in real-time clock stamps stored data to meet GLP standard.
- Stored data can be transferred into computer by USB communication interface.

Bante322 Portable Water Hardness Meter



Features:

- 2 to 5 points calibration from low to high concentrations.
- Selectable water hardness units, including the mmol/L, mg/L (CaCO₃), mg/L (CaO), mmol/L (Boiler), mg/L (Ca), French degree, German degree and English degree.
- Automatic Temperature Compensation ensures accurate reading over the entire range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Help message as a operational guide that helps you quickly begin using the meter.



Meter Includes:

Water hardness electrode, temperature probe, batteries and carrying case.

- System menu allows setting the 7 parameters, including the number of calibration points, stability condition, auto-power off, etc.
- Reset feature automatically resumes parameters back to factory default options.
- Expanded memory stores and recalls up to 500 readings.
- Built-in real-time clock stamps stored data to meet GLP standard.
- Stored data can be transferred into computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter smoothly.

Specifications:

Model	Bante 322
Water Hardness Range	0.05mmol/L~0.2mol/L, 0~19999mg/L (CaCO ₃), 0~11220mg/L (CaO), 0~400mmol/L (Boiler), 0~8020mg/L (Ca), 0~1122°dH (German Degree), 0~2000°f (French Degree), 0~1404°e (English Degree)
Accuracy	±1% F.S
Calibration Points	2~5 points
Calibration Solutions	0.001, 0.01, 0.1mmol/L, mol/L
Temperature Compensation	0~50°C, 32~122°F, Manual or Automatic
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Power Off	Manual or Automatic (10, 20, 30 minutes)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3×1.5V "AA" batteries or DC5V power adapter
Dimensions	170(L)×85(W)×30(H)mm
Weight	300g