

# Bante220/221 Portable pH/ORP Meter



## BANTE220 FEATURES

- 1 to 3 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group, including the USA and NIST options.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Setup menu allows setting the 7 parameters, including the pH buffer group, number of calibration points, temperature unit, auto-power off, etc.
- Expanded memory stores and recalls up to 100 data sets.
- Stored readings can be transferred into the computer by USB communication interface.

## BANTE221 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 range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.

ORP:

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



## GENERAL:

- Stability indicator shows when a measurement is recognized as stable.
- Auto-Hold feature senses and locks the measurement endpoint.
- Setup menu allows setting the 10 parameters, including the number of calibration points, resolution, stability criteria, temperature unit, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Expanded memory stores and recalls up to 500 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter or USB port) ensures that use the meter smoothly.



## SPECIFICATION

Model	Bante 220	Bante 221	
pH	Measuring Range	-2.00~20.00pH	-2.000~20.000pH
	Accuracy	±0.01pH	±0.002pH
	Resolution	0.01pH	0.001, 0.01, 0.1pH
	Calibration Points	1~3 points (USA or NIST)	1~5 points (USA, NIST, DIN or Custom)
mV	Measuring Range	±1999mV	±1999.9mV
	Accuracy	±1mV	±0.2mV
	Resolution	1mV	0.1, 1mV
	Calibration Points	—	1 point (Only for relative mV mode)
Temperature	Measuring Range	0~105°C, 32~221°F	0~105°C, 32~221°F
	Accuracy	±0.5°C, ±0.9°F	±0.5°C, ±0.9°F
	Resolution	0.1°C, 0.1°F	0.1°C, 0.1°F
	Calibration Points	1 point	1 point
General	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic
	Hold Function	Manual or Automatic endpoint detection	Manual or Automatic endpoint detection
	Stability Criteria	—	Low or High
	Calibration Due Alarm	—	1 to 31 days
	Power Off	Manual or Automatic (30 minutes after last key pressed)	Manual or Automatic (10, 20 or 30 minutes after last key pressed)
	Reset Function	Yes	Yes
	Memory	Stores up to 100 data sets	Stores up to 500 data sets
	Output	USB communication interface	USB communication interface
	Connector	BNC	BNC
	Power Requirements	3×1.5V AA batteries or DC5V power adapter	3×1.5V AA batteries or DC5V power adapter
	Dimensions	170(L)×85(W)×30(H)mm	170(L)×85(W)×30(H)mm
	Weight	300g	300g

## METER INCLUDES

pH electrode, temperature probe, pH buffer solutions (4.01/7.00/10.01) and carrying case.