

Bante 2 Series Portable pH/ORP Meter



Measurement Parameters

- Bante 220: pH, mV, temperature
- Bante 221: pH, mV, relative mV, temperature

Bante 220 Features

- 1 to 3 points calibration with automatic recognition for USA and NIST buffers
- Automatic electrode diagnosis helps user decide whether to replace the pH electrode
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-read function senses and locks the measurement endpoint
- Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- Reset function automatically resumes all settings back to the factory defaults
- Expanded memory stores or recalls up to 100 data sets
- USB communication interface for data transfer or connecting a power adapter to meter



Bante 221 Features

pH

- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and zero offset
- Automatic temperature compensation ensures accurate readings over the entire range
- Calibration due alarm reminds the 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 ensure the reliable ORP measurements

General Features

- Auto-read function senses and locks the measurement endpoint
- Auto-power off effectively conserves battery life
- Setup menu allows setting the pH buffer set, 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 a PC
- Multi-mode power scheme (battery, power adapter and USB port) ensures the smooth operation of the meter



Specifications

Model		Bante 220	Bante 221
pH	Range	-2.00~20.00 pH	-2.000~20.000 pH
	Resolution	0.01 pH	0.001, 0.01, 0.1 pH, selectable
	Accuracy	±0.01 pH	±0.002 pH
	Calibration	1 to 3 points	1 to 5 points
	pH Buffer Options	USA (4.01/7.00/10.01), NIST (4.01/6.86/9.18)	USA, NIST, DIN, 2 custom buffers
ORP	mV Range	±1999 mV	±1999.9 mV
	Relative mV Range	—	±1999.9 mV
	Resolution	1 mV	0.1, 1 mV, selectable
	Accuracy	±1 mV	±0.2 mV
	Calibration	—	1 point
Temperature	Range	0~105°C/32~221°F	0~105°C/32~221°F
	Resolution	0.1°C/0.1°F	0.1°C/0.1°F
	Accuracy	±0.5°C/±0.9°F	±0.5°C/±0.9°F
	Offset Calibration	1 point, reading ±10°C	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	0~100°C, manual or automatic
	Stability Criteria	—	Low or high
	Calibration Due Alarm	—	1 to 31 days or off
	Slope/Offset Display	Yes	Yes
	Hold Function	Manual or auto-endpoint	Manual or auto-endpoint
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	USB
	Connector	BNC, 3.5 mm jack socket	BNC, 3.5 mm jack socket
	Display	Custom LCD (80×60 mm)	Custom LCD (80×60 mm)
	Power Requirements	3×1.5V AA batteries or 5V DC power adapter	3×1.5V AA batteries or 5V DC power adapter
	Battery Life	Approximately 150 hours (turn off the backlight)	Approximately 150 hours (turn off the backlight)
	Dimensions	170(L)×85(W)×30(H) mm	170(L)×85(W)×30(H) mm
Weight	300 g	300 g	

Ordering Information

- Bante 220/221-**CN**: Meter, E201-BNC plastic-body pH electrode, temperature probe, pH buffer solutions, electrode clip, carrying case
- Bante 220/221-**UK**: Meter, P11 glass pH electrode, temperature probe, pH buffer solutions, electrode clip, carrying case
- Bante 221-**ORP**: Meter, E201-BNC plastic-body pH electrode, 501 ORP electrode, temperature probe, pH buffer solutions, electrode clip, carrying case