

# Bante 2 Series Portable pH/ORP Meter

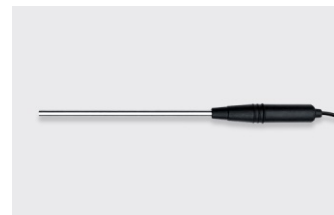


## Measurement Parameters

- 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 offset
- Automatic temperature compensation ensures accurate readings over the entire range
- Calibration due alarm 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 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 PC
- Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly



## Specifications

| Model                |                          | Bante 220                                        | Bante 221                                        |
|----------------------|--------------------------|--------------------------------------------------|--------------------------------------------------|
| pH                   | Range                    | -2.00~20.00pH                                    | -2.000~20.000pH                                  |
|                      | Resolution               | 0.01pH                                           | 0.001, 0.01, 0.1pH, selectable                   |
|                      | Accuracy                 | ±0.01pH                                          | ±0.002pH                                         |
|                      | Calibration Points       | 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                 | ±1999mV                                          | ±1999.9mV                                        |
|                      | Relative mV Range        | —                                                | ±1999.9mV                                        |
|                      | Resolution               | 1mV                                              | 0.1, 1mV, selectable                             |
|                      | Accuracy                 | ±1mV                                             | ±0.2mV                                           |
|                      | Calibration Points       | —                                                | 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 DC5V power adapter        | 3×1.5V AA batteries or DC5V 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               | 300g                     | 300g                                             |                                                  |

## Ordering Information

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