

Bante2 Series Portable pH/ORP Meter



Measurement Parameters

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

Bante220 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



Bante221 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 | Bante220 | Bante221 | |
|----------------------|--------------------------|--|--|
| 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