



### Bante221 Portable pH/ORP Meter

Professional portable pH meter includes the relative and absolute millivolt measurement modes. The meter supports 5-point calibration, system menu contains 9 optional parameters. Accuracy: 0.002pH.

#### pH Mode:

- Professional portable pH meter is equipped with a large backlit LCD display.
- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standard (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode slope display helps user decide whether to replace sensor.
- Automatic Temperature Compensation provides accurate reading over the entire pH range.
- Calibration Due Reminder prompts you to calibrate the meter regularly.



#### ORP Mode:

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

#### Other Features:

- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable measured value 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 zero point offset and slope of the pH electrode.



- Help message as a operational guide that helps you quickly begin using the meter.
- System menu allows setting the 9 parameters, including the pH buffer standard, number of calibration points, resolution, stability condition, temperature unit, etc.
- Reset feature automatically resumes all 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, computer's USB port) ensures that use the meter smoothly.

#### Specifications Order Information Optional Accessories Packaging

Model	Bante221
pH	
Range	-2.000~20.000pH

Accuracy	±0.002pH
Resolution	0.1, 0.01, 0.001pH
Calibration Points	1 to 5 points
Calibration Solutions	USA, NIST, DIN Standards or User-defined
Temperature Compensation	0~100°C, 32~212°F
Compensation Mode	Manual or Automatic
<b>mV</b>	
Range	-1999.9~1999.9mV
Accuracy	±0.2mV
Resolution	0.1, 1mV
Calibration Points	1 point (Only for Relative mV mode)
Calibration Range	±200mV
<b>Temperature</b>	
Range	0~105°C, 32~221°F
Accuracy	±0.5°C, ±0.9°F
Resolution	0.1°C
Calibration Range	Measured value ±10°C
Temperature Units	°C or °F
<b>Others</b>	
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Calibration Due	0 to 31 days
Power Off	Manual or Automatic (10, 20, 30 minutes)
Reset Function	Yes
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3×1.5V "AA" Batteries
Battery Life	Approximately 150 hours (Turn off the backlit)
Dimensions	170(L)×85(W)×30(H)mm
Weight	300g