

# Bante 9 Series Benchtop Multiparameter Water Quality Meter



## Measurement Parameters

- Bante 900: pH, mV, relative mV, ion concentration, conductivity, TDS, salinity, resistivity, DO, temperature
- Bante 901: pH, mV, conductivity, TDS, temperature
- Bante 902: pH, mV, relative mV, conductivity, TDS, salinity, resistivity, temperature
- Bante 903: pH, mV, relative mV, DO, temperature
- Bante 904: Conductivity, TDS, salinity, resistivity, DO, temperature

## Ordering Information

- Bante 900:  
Meter, pH/conductivity/DO electrodes, temperature probe, pH buffer reagents, conductivity standard solutions, DO electrolyte solution, DO membrane cap, electrode holder, USB cable, power adapter
- Bante 901/902:  
Meter, pH/conductivity electrodes, temperature probe, pH buffer reagents, conductivity standard solutions, electrode holder, USB cable, power adapter
- Bante 903:  
Meter, pH/DO electrodes, temperature probe, pH buffer reagents, DO electrolyte solution, DO membrane cap, electrode holder, USB cable, power adapter
- Bante 904:  
Meter, conductivity/DO electrodes, temperature probe, conductivity standard solutions, DO electrolyte solution, DO membrane cap, electrode holder, USB cable, power adapter

## Features

### pH

- Multiparameter water quality meter is equipped with a 6.5 inches backlit LCD display
- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and zero offset

### ORP

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

### Ion Concentration

- 2 to 5 points calibration, including the selection of 8 concentration points
- Automatic electrode diagnosis shows the calibration points and electrode slopes
- Selectable concentration units (ppm, mg/L, mol/L) and ionic valency

### Conductivity/TDS/Salinity/Resistivity

- 1 to 5 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, reference temperature, TDS conversion factor, linear and pure water compensations, seawater and practical salinity measurement modes
- Automatic electrode diagnosis shows the calibration points and factors

### Dissolved Oxygen

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- Salinity and barometric pressure compensations eliminate the measurement errors



## General Features

- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-read function senses and locks the measurement endpoint
- Calibration due alarm reminds the user to calibrate the meter regularly
- Setup menu allows setting the 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 for data transfer and timed interval readings



**Specifications**

Model		Bante 900	Bante 901	Bante 902	Bante 903	Bante 904
pH	Range	-2.000~20.000 pH	●	●	●	●
	Resolution	0.001, 0.01, 0.1 pH, selectable	●	●	●	●
	Accuracy	±0.002 pH	●	●	●	●
	Calibration	1 to 5 points	●	●	●	●
ORP	pH Buffer Options	USA, NIST, DIN, 2 custom buffers	●	●	●	●
	Range	±1999.9 mV	●	●	●	●
	Resolution	0.1, 1 mV, selectable	●	●	●	●
	Accuracy	±0.2 mV	●	●	●	●
Ion	Calibration	1 point	●	—	●	●
	Range	0.001~19999 (depending on the range of ISE)	●	—	—	—
	Resolution	0.001, 0.01, 0.1, 1	●	—	—	—
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)	●	—	—	—
Conductivity	Measurement Units	ppm, mg/L, mol/L, mmol/L	●	—	—	—
	Calibration	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	●	—	—	—
	Range	0.01~20.00, 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm	●	●	●	—
	Resolution	0.001, 0.01, 0.1, 1	●	●	●	●
TDS	Accuracy	±0.5% F.S.	●	●	●	●
	Calibration	1 to 5 points	●	●	●	●
	Calibration Solutions	10 µS/cm, 84 µS/cm, 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm	●	●	●	●
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water	●	●	●	●
Salinity	Reference Temperature	20/25°C	●	●	●	●
	Cell Constant	K=0.1, 1, 10 or custom	●	●	●	●
	Range	0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt	●	●	●	●
	Resolution	0.01, 0.1, 1	●	●	●	●
Resistivity	Accuracy	±1% F.S.	●	●	●	●
	TDS Factor	0.1~1.0 (default 0.5)	●	●	●	●
	Range	0.00~42.00 psu, 0.00~80.00 ppt	●	—	●	—
	Resolution	0.01	●	—	●	—
DO	Accuracy	±1% F.S.	●	—	●	●
	Range	0.00~20.00 MΩ	●	—	●	●
	Resolution	0.01, 0.1	●	—	●	●
	Accuracy	±1% F.S.	●	—	●	●
General Spec.	Range	0.00~20.00 mg/L, 0.0~200.0% saturation	●	—	—	●
	Resolution	0.01 mg/L, 0.1%	●	—	—	●
	Accuracy	±0.2 mg/L, ±2.0%	●	—	—	●
	Calibration	1 or 2 points	●	—	—	●
General Spec.	Barometric Pressure Correction	60.0~112.5 kPa/450~850 mmHg, manual	●	—	—	●
	Salinity Correction	0.0~50.0 ppt, manual	●	—	—	●
	Temperature Compensation	0~100°C/32~212°F, manual or automatic	●	●	●	●
	Memory	500 data sets, USB communication interface	●	●	●	●
General Spec.	Power Requirements	5V DC power adapter	●	●	●	●
	Dimensions and Weight	210(L)×188(W)×60(H)mm, 1.5kg	●	●	●	●