

# Bante9 Series Benchtop Multiparameter Water Quality Meter



## 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 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

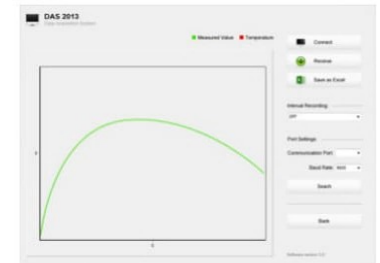
- 2 to 5 points calibration, including the 8 concentration points can be selected
- Direct ion concentration readout simplifies the measurement process
- Automatic electrode diagnosis shows the calibration points and slopes
- Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency

### Conductivity/TDS/Salinity/Resistivity

- 1 to 5 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, reference temperature, TDS 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 error



## General Features

- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Calibration due alarm prompts 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

## Ordering Information

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

## 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

## Specifications

Model			Bante 900	Bante 901	Bante 902	Bante 903	Bante 904
pH	Range	-2.000~20.000pH	•	•	•	•	—
	Resolution	0.001, 0.01, 0.1pH, selectable	•	•	•	•	—
	Accuracy	±0.002pH	•	•	•	•	—
	Calibration Points	1 to 5 points	•	•	•	•	—
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers	•	•	•	•	—
ORP	Range	±1999.9mV	•	•	•	•	—
	Resolution	0.1, 1mV, selectable	•	•	•	•	—
	Accuracy	±0.2mV	•	•	•	•	—
	Calibration Points	1 point	•	—	•	•	—
Ion	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)	•	—	—	—	—
	Measurement Units	ppm, mg/L, mol/L, mmol/L	•	—	—	—	—
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	•	—	—	—	—
Conductivity	Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm	•	•	•	—	•
	Resolution	0.001, 0.01, 0.1, 1	•	•	•	—	•
	Accuracy	±0.5% F.S.	•	•	•	—	•
	Calibration Points	1 to 5 points	•	•	•	—	•
	Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm	•	•	•	—	•
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water	•	•	•	—	•
	Reference Temperature	20/25°C	•	•	•	—	•
	Cell Constant	K=0.1, 1, 10 or custom	•	•	•	—	•
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	•	•	•	—	•
	Resolution	0.01, 0.1, 1	•	•	•	—	•
	Accuracy	±1% F.S.	•	•	•	—	•
	TDS Factor	0.1~1.0 (default 0.5)	•	•	•	—	•
Salinity	Range	0.00~42.00psu, 0.00~80.00ppt	•	—	•	—	•
	Resolution	0.01	•	—	•	—	•
	Accuracy	±1% F.S.	•	—	•	—	•
Resistivity	Range	0.00~20.00MΩ	•	—	•	—	•
	Resolution	0.01	•	—	•	—	•
	Accuracy	±1% F.S.	•	—	•	—	•
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation	•	—	—	•	•
	Resolution	0.01mg/L, 0.1%	•	—	—	•	•
	Accuracy	±0.2mg/L, ±2.0%	•	—	—	•	•
	Calibration Points	1 or 2 points	•	—	—	•	•
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	•	—	—	•	•
	Salinity Correction	0.0~50.0g/L, manual	•	—	—	•	•
General Spec.	Temperature Compensation	0~100°C/32~212°F, manual or automatic	•	•	•	•	•
	Memory	500 data sets, USB communication interface	•	•	•	•	•
	Power Requirements	DC5V power adapter	•	•	•	•	•
	Dimensions and Weight	210(L)×188(W)×60(H)mm, 1.5kg	•	•	•	•	•