

Bante 9 Series Portable Multiparameter Water Quality Meter



Measurement Parameters

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

Ordering Information

- Bante 900P:
Meter, pH/conductivity/DO electrodes, temperature probe, pH buffer reagents, conductivity standard solutions, DO electrolyte solution, DO membrane cap, electrode clip, carrying case
- Bante 901P/902P:
Meter, pH/conductivity electrodes, temperature probe, pH buffer reagents, conductivity standard solutions, electrode clip, carrying case
- Bante 903P:
Meter, pH/DO electrodes, temperature probe, pH buffer solutions, DO electrolyte solution, DO membrane cap, electrode clip, carrying case
- Bante 904P:
Meter, conductivity/DO electrodes, temperature probe, conductivity standard solutions, DO electrolyte solution, DO membrane cap, electrode clip, carrying case

Features

pH

- Multiparameter water quality meter is equipped with a 3.5 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
- Auto-power off effectively conserves battery life
- 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 is easy to transfer data to a PC
- Multi-mode power scheme (battery, power adapter and USB port) ensures the smooth operation of the meter



Specifications

Model		Bante 900P	Bante 901P	Bante 902P	Bante 903P	Bante 904P	
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	•	•	•	•	—
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers	•	•	•	•	—
ORP	Range	±1999.9 mV	•	•	•	•	—
	Resolution	0.1, 1 mV, selectable	•	•	•	•	—
	Accuracy	±0.2 mV	•	•	•	•	—
	Calibration	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	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	•	—	—	—	—
Conductivity	Range	0.01~20.00, 200.0, 2000 μS/cm, 20.00, 200.0 mS/cm	•	•	•	—	•
	Resolution	0.001, 0.01, 0.1, 1	•	•	•	—	•
	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	•	•	•	—	•
	Reference Temperature	20/25°C	•	•	•	—	•
TDS	Range	0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt	•	•	•	—	•
	Resolution	0.01, 0.1, 1	•	•	•	—	•
	Accuracy	±1% F.S.	•	•	•	—	•
	TDS Factor	0.1~1.0 (default 0.5)	•	•	•	—	•
Salinity	Range	0.00~42.00 psu, 0.00~80.00 ppt	•	—	•	—	•
	Resolution	0.01	•	—	•	—	•
	Accuracy	±1% F.S.	•	—	•	—	•
Resistivity	Range	0.00~20.00 MΩ	•	—	•	—	•
	Resolution	0.01, 0.1	•	—	•	—	•
	Accuracy	±1% F.S.	•	—	•	—	•
DO	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	•	—	—	•	•
	Barometric Pressure Correction	60.0~112.5 kPa/450~850 mmHg, manual	•	—	—	•	•
	Salinity Correction	0.0~50.0 ppt, manual	•	—	—	•	•
General Spec.	Temperature Compensation	0~100°C/32~212°F, manual or automatic	•	•	•	•	•
	Memory	500 data sets, USB communication interface	•	•	•	•	•
	Power Requirements	3×1.5V AA batteries or 5V DC power adapter	•	•	•	•	•
	Dimensions and Weight	170(L)×85(W)×30(H) mm, 300 g	•	•	•	•	•