

Bante 9 Series Portable Multiparameter Water Quality Meter



Measurement Parameters

- Bante 900P: pH, mV, relative mV, ion concentration, conductivity, TDS, salinity, resistivity, dissolved oxygen, 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, dissolved oxygen, temperature
- Bante 904P: Conductivity, TDS, salinity, resistivity, dissolved oxygen, 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
 - Automatic electrode diagnosis shows the calibration points and factors
 - Selectable cell constant, reference temperature, TDS conversion factor, linear and pure water compensations, seawater and practical salinity measurement modes
- 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 users 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 restores all settings to the factory defaults
 - Expanded memory stores or recalls up to 500 data sets
 - USB communication interface enables easy data transfer to a PC
 - DAS software is capable of receiving data, recording measurements at specified intervals, exporting data to Excel
 - 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...20.000pH	•	•	•	•	—
	Resolution	0.001, 0.01, 0.1, selectable	•	•	•	•	—
	Accuracy	±0.002pH	•	•	•	•	—
	Calibration	1...5 points	•	•	•	•	—
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers	•	•	•	•	—
ORP	Range	-1999.9...1999.9mV	•	•	•	•	—
	Resolution	0.1, 1, selectable	•	•	•	•	—
	Accuracy	±0.2mV	•	•	•	•	—
	Calibration	1 point	•	—	•	•	—
Ion	Range	0.001...19999 (depending on the electrode range)	•	—	—	—	—
	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...5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	•	—	—	—	—
Conductivity	Range	0...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...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	•	•	•	—	•
	Cell Constant	K=0.1/1/10 or custom	•	•	•	—	•
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, 0.1	•	—	—	•	•
	Accuracy	±0.2 mg/L, ±2.0%	•	—	—	•	•
	Calibration	1...2 points	•	—	—	•	•
	Barometric Pressure Correction	60.0...113.3 kPa/450...850 mmHg, manual	•	—	—	•	•
	Salinity Correction	0.0...50.0 ppt, manual	•	—	—	•	•
General	Temperature Compensation	0...100°C/32...212°F, manual or automatic	•	•	•	•	•
	Memory	500 data sets, USB communication interface	•	•	•	•	•
	Power Supply	3×1.5V AA batteries or 5V DC power adapter	•	•	•	•	•
	Dimensions and Weight	170(L)×85(W)×30(H) mm, 300 g	•	•	•	•	•