

Bante900/901/902/903/904 Benchtop Multiparameter Water Quality Meter



Bante90 series multi-parameter benchtop meters are capable of measuring up to 9 water quality parameters, including the pH, ORP, ion concentration, conductivity, TDS, salinity, resistivity and dissolved oxygen, etc.

Measurement modes of each meter:

- **900:** pH, ORP, ion, conductivity, TDS, salinity, resistivity and dissolved oxygen
- **901:** pH, ORP, conductivity and TDS
- **902:** pH, ORP, conductivity, TDS, salinity and resistivity
- **903:** pH, ORP and dissolved oxygen
- **904:** Conductivity, TDS, salinity, resistivity and dissolved oxygen

pH Mode:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standards or using the custom calibration solutions.
- Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:

- 1 point offset calibration allows adjusting the displayed value to known standard.
- Relative and absolute millivolt measurements provide accurate ORP readings.

Ion Mode:

- 2 to 5 points calibration including the eight concentration points can be selected.
- mV measurement mode can be used for checking the performance of current ion selective electrode.
- Automatically recognize ion electrodes, does not need to specify type of ion.
- Direct ion concentration readout simplifies the elaborate measurement process.
- Selectable multiple concentration units for different measurement requirements.

Conductivity/TDS/Salinity/Resistivity Mode:

- 1 to 5 points calibration with automatic calibration solution recognition.
- Selectable cell constants (0.1, 1, 10), normalization temperatures (20 or 25°C), TDS conversion factors, seawater and practical salinity measurement modes.

Dissolved Oxygen Mode:

- 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
- Manual salinity and barometric pressure compensation improve accuracy of the measurement.

Other Features:

- Automatic Temperature Compensation provides accurate measured values over the entire range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Manual temperature calibration corrects temperature deviation.
- Selectable temperature unit (°C or °F) meets different application requirements.
- Automatic electrode diagnosis shows zero point offset and slope of the sensor.
- Help message as a operational guide that helps you quickly using the meter.
- System menu allows setting the 15 parameters, including the calibration points, resolutions, stability conditions, measurement units, auto-power off, etc.
- Reset feature automatically resumes all settings 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.



Meter Includes:

- 900: pH electrode, conductivity electrode, dissolved oxygen probe
- 901: pH electrode, conductivity electrode
- 902: pH electrode, conductivity electrode
- 903: pH electrode, dissolved oxygen probe
- 904: Conductivity electrode, dissolved oxygen probe

Other Accessories:

- Temperature probe
- Calibration solutions
- USB cable and power adapter

Specifications:

			Bante 900	Bante 901	Bante 902	Bante 903	Bante 904
pH	Range	-2.000~20.000pH	•	•	•	•	
	Accuracy	±0.002pH	•	•	•	•	
	Calibration Points	1 to 5 points	•	•	•	•	
	Calibration Solutions	USA, NIST, DIN, User-defined	•	•	•	•	
ORP	Range	-1999.9~1999.9mV	•	•	•	•	
	Accuracy	±0.2mV	•	•	•	•	
	Calibration Points	1 point	•	•	•	•	
	Measurement Modes	mV and Relative mV	•	•	•	•	
Ion	Range	0~19999ppm, mg/L, mol/L (Depending on range of ISE)	•				
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	•				
	Calibration Points	2 to 5 points	•				
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L	•				
Conductivity	Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm	•	•	•		•
	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	0.0~10.0%/°C	•	•	•		•
	Compensation Modes	Linear or Pure Water	•	•	•		•
	Cell Constant	K=0.1, 1, 10 or User-defined	•	•	•		•
	Normalization Temperature	20 or 25°C	•	•	•		•
TDS	Range	0~10ppt (Max. 20ppt, depending on factor setting)	•	•	•		•
	Accuracy	±1% F.S	•	•	•		•
	TDS Factor	0.1~1.0 (Default 0.5)	•	•	•		•
Salinity	Range	0~10ppt (Max. 80ppt)	•		•		•
	Accuracy	±1% F.S	•		•		•
	Measurement Modes	Seawater or Practical Salinity	•		•		•
Resistivity	Range	0~100MΩ	•		•		•
	Accuracy	±1% F.S	•		•		•
	Resolution	0.01, 0.1, 1	•		•		•
Dissolved Oxygen	Concentration Range	0.00~20.00mg/L (or ppm)	•			•	•
	Accuracy	±0.2mg/L	•			•	•
	Calibration Points	1 or 2 points	•			•	•
	Pressure Correction	60.0~112.5kPa, 450~850mmHg	•			•	•
	Salinity Correction	0~50g/L	•			•	•
	% Saturation of Oxygen	0.0~200.0%	•			•	•
Accuracy	±2.0%	•			•	•	
Other Features	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	•	•	•	•	•
	Stability Conditions	Low or High	•	•	•	•	•
	Calibration Due	0 to 31 days	•	•	•	•	•
	Memory	Stores up to 500 data sets	•	•	•	•	•
	Output	USB Communication Interface	•	•	•	•	•
	Power Requirements	DC5V, using AC adapters, 220VAC/50Hz	•	•	•	•	•
	Dimensions	210(L)×188(W)×60(H)mm	•	•	•	•	•
	Weight	1.5kg	•	•	•	•	•