Bante90P series Portable Multiparameter Water Quality Meter

Measurement Modes:

Bante90P series multi-parameter portable meters are capable of measuring up to 9 water quality parameters. Each meter include the different measurement modes.

- 900P: pH, ORP, Ion, Conductivity, TDS, Salinity, Resistivity and Dissolved Oxygen
- 901P: pH, ORP, Conductivity and TDS
- 902P: pH, ORP, Conductivity, TDS, Salinity and Resistivity
- 903P: pH, ORP and Dissolved Oxygen
- 904P: Conductivity, TDS, Salinity, Resistivity and Dissolved Oxygen

Features:

pH Mode:

- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standard (USA/NIST/DIN) 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 mV measurements provide the accurate ORP readings.

Ion Concentration 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 the type of ion.
- Direct ion concentration readout simplifies the elaborate measurement process.
- Selectable concentration unit including the ppm, mg/L, mol/L, mmol/L for different applications.

Conductivity/TDS/Salinity/Resistivity Mode:

- 1 to 5 points calibration with automatic calibration solution recognition.
- Selectable cell constant (0.1/1/10), normalization temperature (20°C or 25°C), TDS conversion factor, seawater and practical salinity measurement modes.
- Linear or pure water compensation improves the measurement accuracy.

Dissolved Oxygen Mode:

- 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
- Manual salinity and barometric pressure compensation ensure accurate readings.

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 the temperature deviation.
- Selectable temperature unit (°C or °F) meets different application requirements.
- Automatic electrode diagnosis shows zero point offset and electrode slope.
- Help message as a operational guide that helps user quickly using the meter.
- System menu allows setting the 15 parameters, including the resolution, number of calibration points, stability condition, measurement unit, 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.
- Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter smoothly.

Meter Includes:

- 900P: pH, conductivity and dissolved oxygen electrodes
- 901P: pH and conductivity electrodes
- 902P: pH and conductivity electrodes
- 903P: pH and dissolved oxygen electrodes
- 904P: Conductivity and dissolved oxygen electrodes

Other Accessories:

- Temperature probe
- Calibration solutions
- Batteries
- Carrying case

Specifications:

	Model		Bante900P	Bante901P	Bante902P	Bante903P	Bante904P
pH	Range	-2.000～20.000pH	•	•	•	•	
	Accuracy	±0.002pH	•	•	•	•	
	Calibration Points	1～5 points	•	•	•	•	
	Calibration Solutions	USA, NIST, DIN or 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	2～5 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	1～5 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°C or 25°C	•	•	•		•
TDS	Range	0～100ppt (Max. 200ppt, 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	1～2 points	•			•	•
	Pressure Correction	60.0～112.5kPa, 450～850mmHg	•			•	•
	Salinity Correction	0～50g/L	•			•	•
	% Saturation of Oxygen	0.0～200.0%	•			•	•
	Accuracy	±2.0%	•			•	•
Others	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	3×1.5V "AA" batteries or DC5V power adapter	•	•	•	•	•
	Dimensions	185(L)×88(W)×32(H)mm	•	•	•	•	•
	Weight	300g	•	•	•	•	•