

Water Quality Analyzer



Portable Multiparameter Water Quality Meter

Bante9 series

Features



pH:

- Multi-parameter portable meter is equipped with a large backlit LCD display.
- 1 to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group (USA/NIST/DIN) or using the custom calibration solutions.
- Automatic electrode diagnosis with pH slope and offset display.

ORP:

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

ION:

- 2 to 5 points calibration, providing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrode, does not need to specify type of ion.
- Automatic electrode diagnosis shows the calibration points and details of slopes.
- Direct ion concentration readout simplifies the measurement process.
- mV measurement mode can be used to calculate the ion concentration.
- Selectable concentration units, including the ppm, mg/L and mol/L.

CONDUCTIVITY/TDS/SALINITY/RESISTIVITY:

- 1 to 5 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant (0.1/1/10), normalization temperature (20°C/25°C), TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.

MEASUREMENT PARAMETERS

- 900P meter: pH, mV, Ion, Conductivity, TDS, Salinity, Resistivity
- 901P meter: pH, mV, Conductivity, TDS
- 902P meter: pH, mV, Conductivity, TDS, Salinity, Resistivity
- 903P meter: pH, mV, DO
- 904P meter: Conductivity, TDS, Salinity, Resistivity, DO

DISSOLVED OXYGEN:

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations provide the reliable measuring results.
- Selectable measurement units, including the mg/L, ppm, mmHg and kPa.

GENERAL:

- Automatic Temperature Compensation provides accurate reading over the entire range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Hold feature senses and locks the measurement endpoint.
- Battery indicator shows the remaining battery capacity.
- Auto-Power Off effectively conserves battery life.
- Calibration report provides the details of the calibration standards and electrode slopes.
- Setup menu allows setting the 15 parameters, including the number of calibration points, stability criteria, temperature unit, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Expanded memory stores and recalls up to 500 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Multi-mode power scheme (batteries, power adapter or USB port) ensures that use the meter smoothly.



Model		900P	901P	902P	903P	904P	
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	•	•	•	—	•
TDS	Cell Constant	K=0.1, 1, 10 or custom	•	•	•	—	•
	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	•	•	•	—	•
	Resolution	0.01, 0.1, 1	•	•	•	—	•
	Accuracy	±1% F.S.	•	•	•	—	•
Salinity	TDS Factor	0.1~1.0 (default 0.5)	•	•	•	—	•
	Range	0.00~42.00psu, 0.00~80.00ppt	•	—	•	—	•
	Resolution	0.01	•	—	•	—	•
Resistivity	Accuracy	±1% F.S.	•	—	•	—	•
	Range	0.00~20.00MΩ	•	—	•	—	•
	Resolution	0.01, 0.1	•	—	•	—	•
DO	Accuracy	±1% F.S.	•	—	•	—	•
	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	•	—	—	•	•
General Spec.	Salinity Correction	0.0~50.0g/L, manual	•	—	—	•	•
	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 DC5V power adapter	•	•	•	•	•
	Dimensions and Weight	170(L)×85(W)×30(H)mm, 300g	•	•	•	•	•