A120/130/131 Professional pH/ORP/Ion Meter NEW

MEASUREMENT PARAMETERS

- A120 meter: pH, mV, Relative mV, Temperature.
- A130 meter: pH, mV, Relative mV, Ion Concentration, Water Hardness, Temperature.
- A131 meter: Ion concentration, Water Hardness, mV, Temperature.

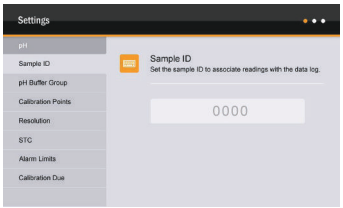
FEATURES

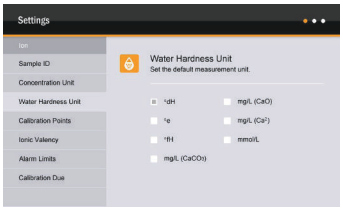
pH:

- 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.
- Automatic Temperature Compensation provides accurate reading over the entire pH range.
- Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C.
- Limit alarm alerts when reading exceeds range.

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:

- Selectable ion measurement methods, including the direct reading, known addition, known subtraction, sample addition and sample subtraction.
- Selectable concentration units include the ppm, mg/L, mol/L and mmol/L.
- 2 to 5 points calibration, containing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrodes, does not need to specify type of ion.
- Electrode management is capable of storing the 3 slopes and recalling the calibration data of each electrode.
- Calibration report provides the details of the calibration standards and slopes.

WATER HARDNESS:

- 2 to 5 points calibration from low to high concentrations.
- Selectable measurement units (German degree, English degree, French degree, mmol/L and mg/L) are used for professional water hardness measurements.

GENERAL:

- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Read feature senses and locks the measurement endpoint.
- Interval Readings automatically send the measured data to the computer or printer.
- Password protection prevents the unauthorized calibration and settings.
- Expanded memory stores and recalls up to 1000 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Reset feature automatically resumes all settings back to factory default options.

SPECIFICATION

	Model		A120	A130	A131
pH	Measuring Range	-2.000～20.000pH	•	•	—
	Accuracy	±0.002pH	•	•	—
	Resolution	0.001, 0.01pH	•	•	—
	Calibration Points	1～5 points (USA, NIST, DIN or Custom)	•	•	—
mV	Measuring Range	±2000mV	•	•	•
	Accuracy	±0.2mV	•	•	•
	Resolution	0.1mV	•	•	•
	Calibration Points	1 point (Only for relative mV mode)	•	•	—
Ion	Measuring Range	0.001～30000ppm, mg/L, mol/L, mmol/L (Depending on range of the ion selective electrode)	—	•	•
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2～5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L, mmol/L)	—	•	•
	Measurement Methods	Direct reading, Known addition, Known subtraction, Sample addition, Sample subtraction	—	•	•
Water Hardness	Measuring Range	0.05～200mmol/L, 0～1120°dH, 0～1404°e, 0～2000°fH, 0～8000mg/L (Ca^{2})	—	•	•
	Accuracy	±1% F.S	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2～5 points (0.01, 0.1, 1, 10, 100mmol/L)	—	•	•
Temperature	Measuring Range	0～105°C, 32～221°F	•	•	•
	Accuracy	±0.5°C, ±0.9°F	•	•	•
	Resolution	0.1°C, 0.1°F	•	•	•
	Calibration Points	1 point	•	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•	•
	Stability Criteria	Standard or High-accuracy	•	•	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or Off	•	•	•
	Calibration Due Alarm	1 to 31 days	•	•	•
	Memory	Stores up to 1000 data sets	•	•	•
	Output	USB communication interface	•	•	•
	Display	7 inch TFT LCD	•	•	•
	Power Requirements	DC12V/2A power adapter	•	•	•
	Dimensions	240(L)×220(W)×80(H)mm	•	•	•
	Weight	1.7kg	•	•	•

METER INCLUDES

- A120 or A130 meter: pH electrode, temperature probe, pH buffer pouches (4.01/7.00/10.01), electrode holder and power adapter.
- A131 meter: ion selective electrode, temperature probe, electrode holder and power adapter.

OPTIONAL ION SELECTIVE ELECTRODES

Including the ammonium (NH_4^+), bromide (br), cadmium (Cd^{2+}), calcium (Ca^{2+}), chloride (Cl^-), cupric (Cu^{2+}), cyanide (Cn^-), fluoride (F), lodide (I^-), lead (Pb^{2+}), nitrate (NO_3^-), potassium (K^+), silver (Ag^+), sodium (Na^+), sulphide (S^{2-}) and ammonia (NH_3).

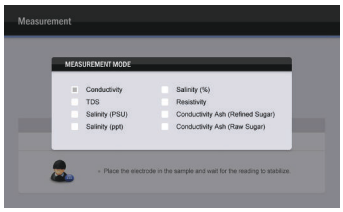
A150/151 Professional Conductivity Meter NEW

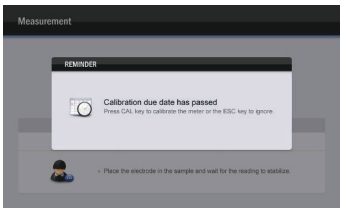
MEASUREMENT PARAMETERS

- A150 meter: Conductivity, TDS, Salinity, Resistivity, Conductivity Ash, Temperature.
- A151 meter: Conductivity, TDS, Salinity, Resistivity, Temperature.

FEATURES

- 1 to 5 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant is matched the connected conductivity electrode and recalled the calibration data.
- Selectable linear temperature compensation coefficient (%/°C), pure water compensation coefficient, reference temperature and TDS conversion factor.
- Automatic Temperature Compensation corrects the conductivity measurement to selected reference temperature.
- Limit alarm alerts when reading exceeds range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Calibration report provides the details of the calibration standards and cell constants.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Read feature senses and locks the measurement endpoint.
- Interval Readings automatically send the measured data to the computer or printer.
- Password protection prevents the unauthorized calibration and settings.
- Expanded memory stores and recalls up to 1000 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Reset feature automatically resumes all settings back to factory default options.





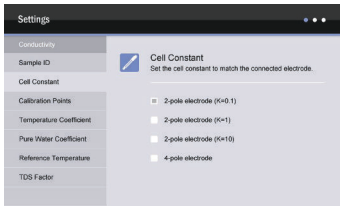
METER INCLUDES

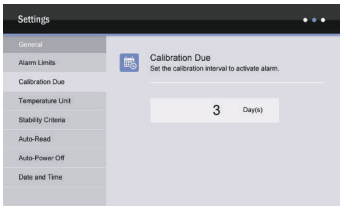
Conductivity electrode (Range: 10μS/cm～20mS/cm), temperature probe, standard solutions (84μS/cm, 1413μS/cm, 12.88mS/cm), electrode holder and power adapter.

OPTIONAL ELECTRODES

CON-0.1 conductivity electrode (K=0.1):
Suitable for measuring the low conductivity liquids (<10μS/cm), e.g., pure water.

CON-10 conductivity electrode (K=10):
Suitable for measuring the high conductivity liquids (>20mS/cm), e.g., seawater.





SPECIFICATION

	Model		A150	A151
Conductivity	Measuring Range	0.01μS/cm～200mS/cm*	•	•
	Accuracy	±0.5% F.S	•	•
	Resolution	0.001, 0.01, 0.1, 1	•	•
	Calibration Points	1～3 points (10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm or Custom)	•	•
TDS	Measuring Range	0.00mg/L～100.0g/L (Max. 200g/L)*	•	•
	Accuracy	±1% F.S	•	•
	Resolution	0.01, 0.1, 1	•	•
	TDS Factor	0.01～1.00 (Default 0.5)	•	•
Salinity	Measuring Range	0.00～80.00ppt, 0.00～42.00psu, 0.00～8.00%*	•	•
	Accuracy	±1% F.S	•	•
	Resolution	0.01, 0.1, 1	•	•
	Measurement Modes	Practical Salinity (psu), Natural Seawater (ppt) or Percentage (%)	•	•
Resistivity	Measuring Range	0.00～30MΩ*	•	•
	Accuracy	±1% F.S	•	•
	Resolution	0.01, 0.1, 1	•	•
Conductivity Ash	Measuring Range	0.00～100%*	•	—
	Accuracy	±1% F.S	•	—
	Resolution	0.01, 0.1, 1	•	—
	Measurement Modes	Refined sugar or Raw sugar	•	—
Temperature	Measuring Range	0～105°C, 32～221°F	•	•
	Accuracy	±0.5°C, ±0.9°F	•	•
	Resolution	0.1°C, 0.1°F	•	•
	Calibration Points	1 point	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•
	Cell Constant	2-pole electrodes (K=0.1, 1, 10) or 4-pole electrode	•	•
	Temperature Coefficient	Linear, Non-linear or Pure water compensation	•	•
	Reference Temperature	20°C or 25°C	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•
	Stability Criteria	Standard or High-accuracy	•	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or Off	•	•
	Calibration Due Alarm	1 to 31 days	•	•
	Memory	Stores up to 1000 data sets	•	•
	Output	USB communication interface	•	•
	Connector	6-pin mini plug	•	•
	Display	7 inch TFT LCD	•	•
	Power Requirements	DC12V/2A power adapter	•	•
	Dimensions	240(L)×220(W)×80(H)mm	•	•
	Weight	1.7kg	•	•

* The meter must be equipped with the CON-0.1 and CON-10 conductivity electrodes for the full-range measurements.

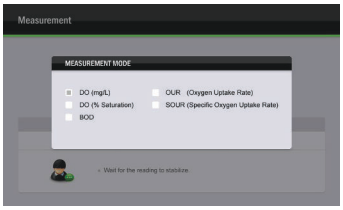
A180/181 Professional Dissolved Oxygen Meter NEW

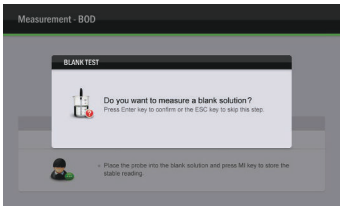
MEASUREMENT PARAMETERS

- A180 meter: Dissolved Oxygen, BOD, Oxygen Uptake Rate, Specific Oxygen Uptake Rate.
- A181 meter: Dissolved Oxygen.

FEATURES

- 1 or 2 points push-button calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations ensure the accurate DO measurements.
- Selectable testing time, beginning/ending DO are used for the OUR and SOUR calculations.
- Limit alarm alerts when reading exceeds range.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator shows when a measurement is recognized as stable.
- Auto-Read feature senses and locks the measurement endpoint.
- Interval Readings automatically send the measured data to the computer or printer.
- Password protection prevents the unauthorized calibration and settings.
- Expanded memory stores and recalls up to 1000 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Reset feature automatically resumes all settings back to factory default options.





METER INCLUDES

Dissolved oxygen probe, membrane cap, electrolyte solution, electrode holder, power adapter.

SPECIFICATION

	Model		A180	A181
DO/OUR/SOUR	Measuring Range	0.00～20.00mg/L, 0.0～200.0% Saturation	•	•
	Accuracy	±0.2mg/L, ±2.0%	•	•
	Calibration Points	1～2 points	•	•
	Temperature Compensation	0～50°C, 32～122°F, Automatic	•	•
	Barometric Pressure Correction	450～850mmHg, 60.0～113.3kPa, Manual	•	•
	Salinity Correction	0～50g/L, Manual	•	•
	BOD/OUR/SOUR Measurements	Only for A180 meter	•	—
	Stability Criteria	Standard or High-accuracy	•	•
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or Off	•	•
	Memory	Stores up to 1000 data sets	•	•
	Output	USB communication interface	•	•
	Display	7 inch TFT LCD	•	•
	Power Requirements	DC12V/2A power adapter	•	•
	Dimensions and Weight	240(L)×220(W)×80(H)mm, 1.7kg	•	•

Bante210 Benchtop pH/mV Meter

MEASUREMENT PARAMETERS

pH, mV, Temperature.

FEATURES

- 1 to 3 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer group, including the USA and NIST options.
- Automatic electrode slope display helps user decide whether to replace sensor.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Manual temperature calibration corrects the temperature deviation.
- Setup menu allows setting the 5 parameters, including the pH buffer group, number of calibration points, temperature unit, etc.
- Reset feature automatically resumes all settings back to factory default options.

METER INCLUDES

pH electrode, temperature probe, pH buffer pouches (4.01/7.00/10.01), power adapter.

SPECIFICATION

	Model	Bante 210
pH	Measuring Range	-1.00～15.00pH
	Accuracy	±0.01pH
	Resolution	0.01pH
	Calibration Points	1～3 points, USA (pH4.01/7.00/10.01) or NIST (pH4.01/6.86/9.18)
	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic
mV	Measuring Range	±1999mV
	Accuracy	±1mV
	Resolution	1mV
Temperature	Measuring Range	0～105°C, 32～221°F
	Accuracy	±1°C
	Resolution	0.1°C
	Calibration Points	1 point
General	Hold Function	Manual or Automatic endpoint detection
	Power Off	Manual or Automatic (3 hours after last key pressed)
	Power Requirements	DC9V, using AC adapter, 220VAC/50Hz
	Dimensions and Weight	210(L)×205(W)×75(H)mm, 1.5kg

Bante920/930/931 Benchtop pH/ORP/Ion Meter

MEASUREMENT PARAMETERS

- 920 meter: pH, mV, Relative mV, Temperature.
- 930 meter: pH, mV, Relative mV, Ion Concentration, Temperature.
- 931 meter: Ion Concentration, mV, Temperature.

FEATURES

pH:

- 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.
- Automatic Temperature Compensation provides accurate reading over the entire range.

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, containing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrodes, 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 include the ppm, mg/L and mol/L.

GENERAL:

- 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.
- Setup menu allows setting the 10 parameters, including the number of calibration points, resolution, 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.

OPTIONAL ION SELECTIVE ELECTRODES

Including the ammonium (NH_4^+), bromide (br), cadmium (Cd^{2+}), calcium (Ca^{2+}), chloride (Cl^-), cupric (Cu^{2+}), cyanide (Cn^-), fluoride (F), Iodide (I), lead (Pb^{2+}), nitrate (NO_3^-), potassium (K^+), silver (Ag^+), sodium (Na^+), sulphide (S^{2-}) and ammonia (NH_3).

SPECIFICATION

	Model		Bante 920	Bante 930	Bante 931
pH	Measuring Range	-2.000～20.000pH	•	•	—
	Accuracy	±0.002pH	•	•	—
	Resolution	0.001, 0.01, 0.1pH	•	•	—
	Calibration Points	1～5 points (USA, NIST, DIN or Custom)	•	•	—
mV	Measuring Range	±1999.9mV	•	•	•
	Accuracy	±0.2mV	•	•	•
	Resolution	0.1, 1mV	•	•	•
	Calibration Points	1 point (Only for relative mV mode)	•	•	—
Ion	Measuring Range	0.001～19999ppm, mg/L, mol/L (Depending on range of the ion selective electrode)	—	•	•
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	—	•	•
	Resolution	0.001, 0.01, 0.1, 1	—	•	•
	Calibration Points	2～5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L, mmol/L)	—	•	•
	Measurement Methods	Direct reading	—	•	•
Temperature	Measuring Range	0～105°C, 32～221°F	•	•	•
	Accuracy	±0.5°C, ±0.9°F	•	•	•
	Resolution	0.1°C, 0.1°F	•	•	•
	Calibration Points	1 point	•	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•	•
	Stability Criteria	Low or High	•	•	•
	Calibration Due Alarm	1 to 31 days	•	•	•
	Reset Function	Yes	•	•	•
	Memory	Stores up to 500 data sets	•	•	•
	Output	USB communication interface	•	•	•
	Connector	BNC	•	•	•
	Power Requirements	DC5V, using AC adapter, 220VAC/50Hz	•	•	•
	Dimensions	210(L)×188(W)×60(H)mm	•	•	•
	Weight	1.5kg	•	•	•

METER INCLUDES

- Bante 920 or 930 meter: pH electrode, temperature probe, pH buffer pouches (4.01/7.00/10.01) and power adapter.
- Bante 931 meter: ion selective electrode, temperature probe and power adapter.

Bante932 Benchtop Water Hardness Meter

MEASUREMENT PARAMETERS

Concentration (mmol/L or mg/L), German degree(°dH), English degree(°e), French degree (°fH), Temperature.

FEATURES

- 2 to 5 points calibration from low to high concentrations.
- Selectable measurement units including the mmol/L, mg/L($CaCO_3$), mg/L(CaO), mg/L(Ca), German degree (°dH), English degree (°e) and French degree (°fH).
- 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.
- Setup menu allows setting the 7 parameters, including the number of calibration points, stability criteria, 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.

METER INCLUDES

Water hardness electrode, temperature probe, power adapter.

SPECIFICATION

	Model	Bante 932
Water Hardness	Measuring Range	0.05～200mmol/L, 0～8020mg/L (Ca^{2+}), 0～1122°dH, 0～1404°e, 0～2000°fH
	Accuracy	±1% F.S
	Resolution	0.001, 0.01, 0.1
	Calibration Points	2～5 points (0.01mmol/L, 0.1mmol/L, 0.001mol/L, 0.01mol/L, 0.1mol/L)
	Temperature Compensation	0～50°C, Manual or Automatic
Temperature	Measuring Range	0～105°C, 32～221°F
	Accuracy	±0.5°C, ±0.9°F
	Resolution	0.1°C, 0.1°F
	Calibration Points	1 point
General	Hold Function	Manual or Automatic endpoint detection
	Stability Criteria	Low or High
	Calibration Due Alarm	1 to 31 days
	Memory	Stores up to 500 data sets
	Output	USB communication interface
	Power Requirements	DC5V, using AC adapter, 220VAC/50Hz
	Dimensions and Weight	210(L)×188(W)×60(H)mm, 1.5kg

Bante510/950 Benchtop Conductivity Meter

MEASUREMENT PARAMETERS

- 510 meter: Conductivity, Total Dissolved Solids, Temperature.
- 950 meter: Conductivity, Total Dissolved Solids, Salinity, Resistivity, Temperature.

BANTE510 FEATURES

- 1 to 3 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant (0.1/1/10), temperature coefficient and TDS conversion factor.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Manual temperature calibration corrects the temperature deviation.
- Setup menu allows setting the 6 parameters, including the number of calibration points, temperature unit, etc.
- Reset feature automatically resumes all settings back to factory default options.

BANTE950 FEATURES

- 1 to 5 points push-button calibration, automatically recognizes the calibration solutions.
- Selectable cell constant (0.1/1/10), normalization temperature (20/25°C), TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- 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.
- Calibration report provides the detail for easy viewing the standards and cell constants.
- Setup menu allows setting the 11 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.

METER INCLUDES

Conductivity electrode (Range: 0.01～10mS/cm), temperature probe, standard solutions (84μS/cm, 1413μS/cm, 12.88mS/cm) and power adapter.

OPTIONAL ELECTRODES

CON-0.1 conductivity electrode (K=0.1):
Suitable for measuring the low conductivity liquids (<10μS/cm), e.g., pure water.

CON-10 conductivity electrode (K=10):
Suitable for measuring the high conductivity liquids (>20mS/cm), e.g., seawater.

SPECIFICATION

	Model		Bante 510	Bante 950
Conductivity	Measuring Range	0.01～20.00, 200.0, 2000μS/cm, 20.00, 200mS/cm*	•	•
	Accuracy	±1% F.S (Model 510), ±0.5% F.S (Model 950)	•	•
	Resolution	0.001, 0.01, 0.1, 1	•	•
	Calibration Points	1～3 points (Model 510), 1～5 points (Model 950)	•	•
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm or Custom	•	•
TDS	Measuring Range	0～10.00, 100.0, 1000ppm, 10.00, 100ppt (Max. 200ppt)*	•	•
	Accuracy	±1% F.S	•	•
	Resolution	0.01, 0.1, 1	•	•
	TDS Factor	0.01～1.00 (Default 0.5)	•	•
Salinity	Measuring Range	0.00～80.00ppt, 0.00～42.00psu*	—	•
	Accuracy	±1% F.S	—	•
	Resolution	0.01, 0.1, 1	—	•
	Measurement Modes	Practical Salinity (psu) or Natural Seawater (ppt)	—	•
Resistivity	Measuring Range	0.00～20MΩ*	—	•
	Accuracy	±1% F.S	—	•
	Resolution	0.01, 0.1, 1	—	•
Temperature	Measuring Range	0～105°C, 32～221°F	•	•
	Accuracy	±1°C (Model 510), ±0.5°C (Model 950)	•	•
	Resolution	0.1°C, 0.1°F	•	•
	Calibration Points	1 point	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•
	Cell Constant	K=0.1, 1, 10 or Custom	•	•
	Temperature Coefficient	Linear (Model 510), Linear and Pure water compensation (Model 950)	•	•
	Reference Temperature	25°C (Model 510), 20°C or 25°C (Model 950)	•	•
	Hold Function	Manual or Automatic endpoint detection	•	•
	Stability Criteria	Low or High (Model 950)	—	•
	Calibration Due Alarm	1 to 31 days (Model 950)	—	•
	Reset Function	Yes	•	•
	Memory	Stores up to 500 data sets	—	•
	Output	USB communication interface	—	•
	Connector	6-pin mini plug	•	•
	Power Requirements	DC9V, using AC adapter, 220VAC/50Hz (Model 510)	•	—
		DC5V, using AC adapter, 220VAC/50Hz (Model 950)	—	•
	Dimensions	210(L)×205(W)×75(H)mm (Model 510)	•	—
		210(L)×188(W)×60(H)mm (Model 950)	—	•
	Weight	1.5kg	•	•

* The meter must be equipped with the CON-0.1 and CON-10 conductivity electrodes for the full-range measurements.

Bante810 Benchtop Dissolved Oxygen Meter

MEASUREMENT PARAMETERS

Dissolved oxygen concentration, percent saturation of oxygen.

FEATURES

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations improve the accuracy of measurement.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Auto-Hold feature senses and locks the measurement endpoint.
- Manual temperature calibration corrects the temperature deviation.
- Setup menu allows setting the 6 parameters, including the number of calibration points, temperature unit, concentration unit, etc.
- Reset feature automatically resumes all settings back to factory default options.

METER INCLUDES

Dissolved oxygen probe, membrane cap, electrolyte solution, power adapter.

SPECIFICATION

	Model	Bante 810
DO	Measuring Range	0.0～20.0mg/L
	Accuracy	±0.5mg/L
	Resolution	0.1mg/L
% Saturation	Measuring Range	0.0～200.0%
	Accuracy	±2.0%
	Resolution	0.1%
General	Temperature Compensation	0～40°C, Automatic
	Barometric Pressure Correction	60.0～112.5kPa, 450～850mmHg, Manual
	Salinity Correction	0～35g/L, Manual
	Hold Function	Manual or Automatic endpoint detection
	Power Off	Manual or Automatic (3 hours after last key pressed)
	Sensor Type	DO100 polarographic DO probe
	Connector	6-pin mini plug
	Power Requirements	DC9V, using AC adapter, 220VAC/50Hz
	Dimensions	210(L)×205(W)×75(H)mm
	Weight	1.5kg

Bante980 Benchtop Dissolved Oxygen Meter

MEASUREMENT PARAMETERS

Dissolved oxygen concentration, percent saturation of oxygen.

FEATURES

- 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 unit including the mg/L, ppm, °C, °F, mmHg and kPa.
- Automatic Temperature Compensation ensures 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.
- Setup menu allows setting the 9 parameters, including the number of calibration points, resolution, stability criteria, 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.

METER INCLUDES

Dissolved oxygen probe, membrane cap, electrolyte solution, power adapter.

SPECIFICATION

	Model	Bante 980
DO	Measuring Range	0.00～20.00mg/L
	Accuracy	±0.2mg/L
	Resolution	0.01, 0.1mg/L
% Saturation	Measuring Range	0.0～200.0%
	Accuracy	±2.0%
	Resolution	0.1, 1%
General	Temperature Compensation	0～50°C, 32～122°F, Automatic
	Barometric Pressure Correction	60.0～112.5kPa, 450～850mmHg, Manual
	Salinity Correction	0～50g/L, Manual
	Hold Function	Manual or Automatic endpoint detection
	Stability Criteria	Low or High
	Calibration Due Alarm	1 to 31 days
	Memory	Stores up to 500 data sets
	Output	USB communication interface
	Power Requirements	DC5V, using AC adapter, 220VAC/50Hz
	Dimensions and Weight	210(L)×188(W)×60(H)mm, 1.5kg

Bante90 series Multiparameter Water Quality Meter

FEATURES

pH:

- High-accuracy laboratory 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:

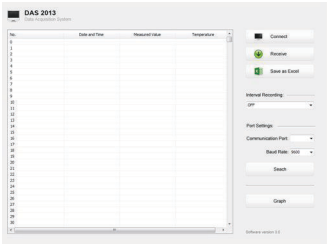
- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Relative and absolute millivolt modes provide the reliable ORP measurements.

ION:

- 2 to 5 points calibration, containing the 8 concentration points can be selected.
- Automatically recognizes the ion selective electrodes, does not need to specify type of ion.
- Direct ion concentration readout simplifies the measurement process.
- mV measurement mode can be used to calculate the ion concentration.
- Selectable concentration units include 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 (20/25°C), TDS 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 provide the reliable measuring results.
- Selectable measurement unit 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.
- Calibration report shows 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.

MEASUREMENT PARAMETERS

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

SPECIFICATION

	Model		Bante 900	Bante 901	Bante 902	Bante 903	Bante 904
pH	Measuring Range	-2.000～20.000pH	•	•	•	•	—
	Accuracy	±0.002pH	•	•	•	•	—
	Calibration Points	1～5 points (USA, NIST, DIN or Custom)	•	•	•	•	—
mV	Measuring Range	±1999.9mV	•	•	•	•	—
	Accuracy	±0.2mV	•	•	•	•	—
	Calibration Points	1 point (Only for relative mV mode)	•	—	•	•	—
Ion	Measuring Range	0.001～19999ppm, mg/L, mol/L (Depending on range of ISE)	•	—	—	—	—
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)	•	—	—	—	—
	Calibration Points	2～5 points	•	—	—	—	—
Conductivity	Measuring Range	0.01～20.00, 200.0, 2000μS/cm, 20.00, 200mS/cm	•	•	•	—	•
	Accuracy	±0.5% F.S	•	•	•	—	•
	Calibration Points	1～5 points (10, 84, 1413μS/cm, 12.88, 111.8mS/cm)	•	•	•	—	•
	Cell Constant	K=0.1, 1, 10 or Custom	•	•	•	—	•
	Temperature Coefficient	Linear and Pure water compensation	•	•	•	—	•
	Reference Temperature	20°C or 25°C	•	•	•	—	•
TDS	Measuring Range	0～10.00, 100.0, 1000ppm, 10.00, 100ppt (Max. 200ppt)	•	•	•	—	•
	Accuracy	±1% F.S	•	•	•	—	•
	TDS Factor	0.01～1.00 (Default 0.5)	•	•	•	—	•
Salinity	Measuring Range	0.00～80.00ppt, 0.00～42.00psu	•	—	•	—	•
	Accuracy	±1% F.S	•	—	•	—	•
	Measurement Modes	Practical Salinity (psu) or Natural Seawater (ppt)	•	—	•	—	•
Resistivity	Measuring Range	0.00～20MΩ	•	—	•	—	•
	Accuracy	±1% F.S	•	—	•	—	•
	Resolution	0.01, 0.1, 1	•	—	•	—	•
DO	Measuring Range	0.00～20.00mg/L, 0.0～200.0% Saturation	•	—	—	•	•
	Accuracy	±0.2mg/L, ±2.0%	•	—	—	•	•
	Calibration Points	1 or 2 points	•	—	—	•	•
	Barometric Pressure Correction	60.0～112.5kPa, 450～850mmHg, Manual	•	—	—	•	•
	Salinity Correction	0～50g/L, Manual	•	—	—	•	•
General	Temperature Compensation	0～100°C, 32～212°F, Manual or Automatic	•	•	•	•	•
	Memory	Stores up to 500 data sets	•	•	•	•	•
	Output	USB communication interface	•	•	•	•	•
	Power Requirements	DC5V, using AC adapter, 220VAC/50Hz	•	•	•	•	•
	Dimensions and Weight	210(L)×188(W)×60(H)mm, 1.5kg	•	•	•	•	•

METER INCLUDES

- Bante 900 meter: pH electrode, conductivity electrode, DO probe, temperature probe, pH buffers, conductivity standard solutions, DO electrolyte solution and power adapter.
- Bante 901 or 902 meter: pH electrode, conductivity electrode, temperature probe, pH buffers, conductivity standard solutions and power adapter.
- Bante 903 meter: pH electrode, DO probe, temperature probe, pH buffers, DO electrolyte solution and power adapter.
- Bante 904 meter: conductivity electrode, DO probe, temperature probe, conductivity standard solutions, DO electrolyte solution and power adapter.