

# Bante 510/950 Benchtop Conductivity Meter



## Measurement Parameters

- Bante 510: Conductivity, TDS, temperature
- Bante 950: Conductivity, TDS, salinity, resistivity, temperature

## Bante 510 Features

- 1 to 3 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, temperature coefficient and TDS conversion factor
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Setup menu allows setting the number of calibration points, temperature unit, etc.
- Reset function automatically resumes all settings back to the factory defaults



## Bante 950 Features

- 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 factor, linear and pure water compensations, seawater and practical salinity measurement modes
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Calibration due alarm prompts user to calibrate the meter regularly
- Setup menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.
- Reset function automatically resumes all settings back to the factory defaults
- Expanded memory stores or recalls up to 500 data sets
- USB communication interface for data transfer and timed interval readings

## Optional Conductivity Electrodes

- CON-0.1: Suitable for measuring the low conductivity liquids (<math><10\mu\text{S}/\text{cm}</math>)
- CON-1 : Suitable for general purpose applications
- CON-10 : Suitable for measuring the high conductivity liquids (>math>20\text{mS}/\text{cm}</math>)



## Specifications

Model	Bante510	Bante950	
Conductivity	Range	0.01~20.00, 200.0, 2000 $\mu$ S/cm, 20.00, 200.0mS/cm	0.01~20.00, 200.0, 2000 $\mu$ S/cm, 20.00, 200.0mS/cm
	Resolution	0.001, 0.01, 0.1, 1	0.001, 0.01, 0.1, 1
	Accuracy	$\pm$ 1% F.S.	$\pm$ 0.5% F.S.
	Calibration Points	1 to 3 points	1 to 5 points
	Calibration Solutions	10 $\mu$ S/cm, 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88mS/cm, 111.8mS/cm	10 $\mu$ S/cm, 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88mS/cm, 111.8mS/cm
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	$\pm$ 1% F.S.	$\pm$ 1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)	0.1~1.0 (default 0.5)
Salinity	Range	—	0.00~42.00psu, 0.00~80.00ppt
	Resolution	—	0.01
	Accuracy	—	$\pm$ 1% F.S.
Resistivity	Range	—	0.00~20.00M $\Omega$
	Resolution	—	0.01
	Accuracy	—	$\pm$ 1% F.S.
Temperature	Range	0~105°C/32~221°F	0~105°C/32~221°F
	Resolution	0.1°C/0.1°F	0.1°C/0.1°F
	Accuracy	$\pm$ 1°C/ $\pm$ 1.8°F	$\pm$ 0.5°C/ $\pm$ 0.9°F
	Offset Calibration	1 point, reading $\pm$ 10°C	1 point, reading $\pm$ 10°C
Other Specifications	Temperature Compensation	0~100°C, manual or automatic	0~100°C, manual or automatic
	Temperature Coefficient	Linear (0.0~10.0%/°C)	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	25°C	20/25°C
	Cell Constant	K=0.1, 1, 10 or custom	K=0.1, 1, 10 or custom
	Stability Criteria	—	Low or high
	Calibration Due Alarm	—	1 to 31 days or off
	Calibration Factor Display	—	Yes
	Hold Function	Manual or auto-endpoint	Manual or auto-endpoint
	Memory	—	500 data sets
	Communication Interface	—	USB
	Connector	6-pin nimi-DIN, 3.5mm jack socket	6-pin nimi-DIN, 3.5mm jack socket
	Display	Custom LCD (120×60mm)	Custom LCD (125×100mm)
	Power Requirements	DC9V power adapter	DC5V power adapter
	Dimensions	210(L)×205(W)×75(H)mm	210(L)×188(W)×60(H)mm
Weight	1.5kg	1.5kg	

## Ordering Information

- Bante510/950-**S**: Meter, CON-1 conductivity electrode, temperature probe, standard solutions, electrode holder, USB cable (for Bante950 only) and power adapter
- Bante510/950-**DL**: Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for Bante950 only) and power adapter
- Bante510/950-**DH**: Meter, CON-1 and CON-10 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for Bante950 only) and power adapter