

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 (0.1/1/10), temperature coefficient and TDS conversion factor
- Automatic temperature compensation corrects conductivity measurements to the reference temperature
- Auto-read function senses and locks the measurement endpoint
- Setup menu allows setting the number of calibration points, temperature unit, etc.
- Reset function automatically restores all settings to the factory defaults

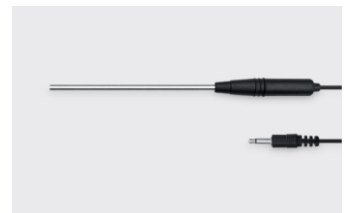


Bante 950 Features

- 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 conversion factor, linear and pure water compensations, seawater and practical salinity measurement modes
- Automatic temperature compensation corrects conductivity measurements to the reference temperature
- Auto-read function senses and locks the measurement endpoint
- Calibration due alarm reminds users to calibrate the meter regularly
- Setup menu allows setting the number of calibration points, stability criteria, date and time, temperature unit, etc.
- Reset function automatically restores all settings 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 ($<10\mu\text{S/cm}$)
- CON-1 : Suitable for measuring the general water samples
- CON-10 : Suitable for measuring the high conductivity liquids ($>20\text{mS/cm}$)



Specifications

| Model | | Bante 510 | Bante 950 |
|----------------------|----------------------------|---|---|
| Conductivity | Range | 0.01~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0 mS/cm | 0.01~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0 mS/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 | 1 to 3 points | 1 to 5 points |
| | Calibration Solutions | 10 μ S/cm, 84 μ S/cm, 1413 μ S/cm, 12.88 mS/cm, 111.8 mS/cm | 10 μ S/cm, 84 μ S/cm, 1413 μ S/cm, 12.88 mS/cm, 111.8 mS/cm |
| TDS | Range | 0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt | 0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt |
| | 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 | — | 0.00~42.00 psu, 0.00~80.00 ppt |
| | Resolution | — | 0.01 |
| | Accuracy | — | $\pm 1\%$ F.S. |
| Resistivity | Range | — | 0.00~20.00 M Ω |
| | Resolution | — | 0.01, 0.1 |
| | 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 | $\pm 1^\circ\text{C}/\pm 1.8^\circ\text{F}$ | $\pm 0.5^\circ\text{C}/\pm 0.9^\circ\text{F}$ |
| | Offset Calibration | 1 point, reading $\pm 10^\circ\text{C}$ | 1 point, reading $\pm 10^\circ\text{C}$ |
| 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 | 9V DC power adapter | 5V DC power adapter |
| | Dimensions | 210(L)×205(W)×75(H)mm | 210(L)×188(W)×60(H)mm |
| | Weight | 1.5 kg | 1.5 kg |

Ordering Information

- Bante 510/950-**S**: Meter, CON-1 conductivity electrode, temperature probe, standard solutions, electrode holder, USB cable (for Bante 950 only), power adapter
- Bante 510/950-**DL**: Meter, CON-0.1/CON-1 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for Bante 950 only), power adapter
- Bante 510/950-**DH**: Meter, CON-1/CON-10 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for Bante 950 only), power adapter