

Bante520/530/531/540 Portable Conductivity/TDS/Salinity Meter



Meter Includes:

Conductivity electrode, temperature probe, conductivity standard solutions (84 μ S/cm, 1413 μ S/cm, 12.88mS/cm), batteries and carrying case.

Features:

- 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.
- Automatic Temperature Compensation ensures accurate reading.
- Calibration Due Reminder prompts user to calibrate the meter regularly.
- Stability indicator automatically shows current measurement status.
- Auto-Hold function freezes stable measured value for easy viewing and recording.
- Selectable temperature unit (°C or °F) meets different application requirements.



- Automatic electrode diagnosis shows cell constant of the conductivity electrode.
- Help message as a operational guide that helps you quickly begin using the meter.
- System menu allows setting the 11 parameters, including the temperature unit, number of calibration points, stability condition, etc.
- Reset feature automatically resumes parameters 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.

Specifications:

Model		Bante 520A	Bante 530	Bante 531	Bante 540
Conductivity Range	0~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0mS/cm	•	•	•	•
Conductivity Accuracy	\pm 0.5% F.S	•	•	•	•
TDS Range	0~100ppt (Max. 200ppt, depending on factor setting)		•		•
TDS Accuracy	\pm 1% F.S		•		•
Salinity Range	0~10ppt (Max. 80ppt)			•	•
Salinity Accuracy	\pm 1% F.S			•	•
Resistivity Range	0~100M Ω				•
Resistivity Accuracy	\pm 1% F.S				•
Calibration Points	1~3 points (Model 520A), 1~5 points (Model 530/531/540)	•	•	•	•
Calibration Solutions	10 μ S/cm, 84 μ S/cm, 1413 μ S/cm, 12.88mS/cm, 111.8mS/cm	•	•	•	•
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic	•	•	•	•
Temperature Coefficient	0.0~10.0%/°C	•	•	•	•
Normalization Temperature	25°C (Model 520A), 20°C or 25°C (Model 530/531/540)	•	•	•	•
Cell Constant	K=0.1, 1, 10 or User-defined	•	•	•	•
Memory	Stores up to 500 data sets, USB Communication Interface	•	•	•	•
Power Requirements	3 \times 1.5V "AA" batteries or DC5V power adapter	•	•	•	•
Dimensions	170(L) \times 85(W) \times 30(H)mm	•	•	•	•
Weight	300g	•	•	•	•