

Bante 9 Series Portable Multiparameter Water Quality Meter



Features

pH

- Multiparameter water quality meter is equipped with a 3.5 inches backlit LCD display
- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and offset

ORP

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

Ion Concentration

- 2 to 5 points calibration, including the 8 concentration points can be selected
- Direct ion concentration readout simplifies the measurement process
- Automatic electrode diagnosis shows the calibration points and slopes
- Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency

Conductivity/TDS/Salinity/Resistivity

- 1 to 5 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes
- Automatic electrode diagnosis shows the calibration points and factors

Dissolved Oxygen

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- Salinity and barometric pressure compensations eliminate the measurement error



General Features

- 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
- Auto-Power Off effectively conserves battery life
- Setup menu allows setting the number of calibration points, resolution, 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 is easy to transfer data to PC
- Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly



Measurement Parameters

- Bante 900P: pH, mV, relative mV, ion concentration, conductivity, TDS, salinity, resistivity, DO, temperature
- Bante 901P: pH, mV, conductivity, TDS, temperature
- Bante 902P: pH, mV, relative mV, conductivity, TDS, salinity, resistivity, temperature
- Bante 903P: pH, mV, relative mV, DO, temperature
- Bante 904P: Conductivity, TDS, salinity, resistivity, DO, temperature

Specifications

| Model | | Bante 900P | Bante 901P | Bante 902P | Bante 903P | Bante 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 | Range | 0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt | • | • | • | — | • |
| | Resolution | 0.01, 0.1, 1 | • | • | • | — | • |
| | Accuracy | ±1% F.S. | • | • | • | — | • |
| | TDS Factor | 0.1~1.0 (default 0.5) | • | • | • | — | • |
| Salinity | Range | 0.00~42.00psu, 0.00~80.00ppt | • | — | • | — | • |
| | Resolution | 0.01 | • | — | • | — | • |
| | Accuracy | ±1% F.S. | • | — | • | — | • |
| Resistivity | Range | 0.00~20.00MΩ | • | — | • | — | • |
| | Resolution | 0.01 | • | — | • | — | • |
| | Accuracy | ±1% F.S. | • | — | • | — | • |
| DO | 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 | • | — | — | • | • |
| Salinity Correction | 0.0~50.0g/L, manual | • | — | — | • | • | |
| General Spec. | 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 | • | • | • | • | • |