

DO-821 Portable 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.
- Battery indicator shows the remaining battery capacity.
- Auto-Power Off effectively conserves battery life.
- 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 100 data sets.
- Stored readings can be transferred into the computer by USB communication interface.
- Multi-mode power scheme (battery, power adapter or USB port) ensures that use the meter smoothly.

METER INCLUDES

Dissolved oxygen probe, membrane cap, electrolyte solution and carrying case.

SPECIFICATION

| | Model | Bante 820 | Bante 821 |
|--------------|--------------------------------|---|---|
| DO | Measuring Range | 0.00~20.00mg/L | 0.00~20.00mg/L |
| | Accuracy | ±0.5mg/L | ±0.2mg/L |
| | Resolution | 0.01mg/L | 0.01, 0.1mg/L |
| % Saturation | Measuring Range | 0.0~200.0% | 0.0~200.0% |
| | Accuracy | ±2.0% | ±2.0% |
| | Resolution | 0.1% | 0.1, 1% |
| General | Calibration Points | 1 or 2 points | 1 or 2 points |
| | Temperature Compensation | 0~50°C, 32~122°F, Automatic | 0~50°C, 32~122°F, Automatic |
| | Barometric Pressure Correction | 60.0~112.5kPa, 450~850mmHg, Manual | 60.0~112.5kPa, 450~850mmHg, Manual |
| | Salinity Correction | 0~50g/L, Manual | 0~50g/L, Manual |
| | Hold Function | Manual or Automatic endpoint detection | Manual or Automatic endpoint detection |
| | Stability Criteria | — | Low or High |
| | Calibration Due Alarm | — | 1 to 31 days |
| | Memory | Stores up to 100 data sets | Stores up to 500 data sets |
| | Output | USB communication interface | USB communication interface |
| | Power Requirements | 3×1.5V AA batteries or DC5V power adapter | 3×1.5V AA batteries or DC5V power adapter |
| | Dimensions | 170(L)×85(W)×30(H)mm | 170(L)×85(W)×30(H)mm |
| Weight | 300g | 300g | |