



Laboratory Sodium Meter

Model: DWS-51A

Brief Introduction

DWS-51A is an intelligent laboratory Sodium meter. It is equipped with the dedicated laboratory ppb sodium ion measurement electrode and the reference electrode, with the static measurement performance in the beaker greatly improved, compares with the traditional sodium meters. As long as the user pays attention to the electrode cleaning, the satisfactory result can be achieved. It can be widely used for continuous monitoring of sodium ions of the solutions in thermal power plants, chemical fertilizer, metallurgy, environment protection, pharmaceutical industry, biochemical industry, foodstuff and running water.

Features

Double-row digital tube: To display $\mu\text{g/L}$, pNa/mV and temperature simultaneously.
Computer-based: Adopts high-performance CPU chip, high-precision AD conversion technology to complete multi-parameter measurement and temperature compensation, with high precision and good repeatability
High sensitivity: In the static water sample, it can detect 0.2ppb (8pNa)
Lasting stability: There is a very stable reading.

Technical Indexes

1. Display: Double-row digital tubes display displays Sodium ion concentration and temperature simultaneously.	
2. Measuring range: 0.2 $\mu\text{g/L}$ ~23000mg/L	
0.00 PNa~8.00 PNa.	
-1000~ +1000 mV. 0~99.9°C	
3. Resolution: 0.1 $\mu\text{g/L}$; 0.1 mV, 0.1°C	
4. Repeatability: reading $\pm 2.5\%$	
5. Accuracy: reading $\pm 2.5\%$, ± 0.2 mV, $\pm 0.3^\circ\text{C}$	
6. Continuous stability time: >100 seconds	
7. Detection lower limit: 0.2 $\mu\text{g/L}$ (8pNa)	
8. Input impedance: $>10^{12}\Omega$	
9. Temperature compensation range: automatic/manual 0 ~ 99.9 °C,	
10. Response speed: 32 seconds (25°C) or 50 seconds (15°C)	
11. Communication interface: RS232	
12. Power supply: AC 220V $\pm 22\text{V}$, 50Hz $\pm 1\text{Hz}$	
13. Working conditions: ambient temperature: 0-60°C; relative humidity ≤ 90	
14. Power-down memory: > 5 years	
15. Calibration mode: One-point calibration, two-point calibration	

Standard configuration

One secondary meter; one power supply; one reference electrode, one measuring electrode, one temperature electrode; one set of electrode support
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