



DWS-51 Laboratory Sodium Meter

DWS-51 Sodium Ion Concentration Meter is designed for measuring the sodium ion content in aqueous solution, especially suitable for the quality monitoring of high-purity water in the power plants (such as steam, condensate water, boiler feed water, etc.). It can also be used for measuring the sodium ion concentration in the natural water and the industrial drainage in high education institutions, research institutes, petrochemical industry, microelectronics industry, etc.

Features

DWS-51 Sodium Ion Concentration Meter adopts the single-chip computer technology, featured by the simple and convenient operation as well as the intuitive and accurate digital display.

The instrument has the manual temperature compensation and the automatic temperature compensation functions (When it accesses to the temperature electrode, it enters the automatic temperature compensation and displays the current temperature; when it does not access to the temperature electrode, the instrument enters the manual temperature compensation and displays the manually set temperature value.) The temperature electrode is optional; if required, it shall be ordered.

In addition to pNa value display, the instrument also has the function of sodium ion concentration $[\text{Na}^+]$ display.

The external shape of the instrument is compact and beautiful.

Technical Indexes

1. Measuring range:

a) pNa value: (0.00~9.00) pNa

b) Na^+ concentration: 23g/L~0.023 $\mu\text{g/L}$

c) mV value: (-1800~1 800) mV

2. Resolution: 0.01 pNa

3. Intrinsic error of electronic units: $\pm 0.02\text{pNa} \pm 1$ unit

4. Intrinsic error of the instrument: $\pm 0.05\text{pNa}$

5. Calculation error in the conversion between pNa Value and $[\text{Na}^+]$ Concentration value: $\pm 0.3\%$ (reading)

6. Instrument repeatability error: No more than $\pm 0.03\text{pNa} \pm 1$ unit

7. Temperature compensation range for measured solution: (5.0 ~ 50.0) $^{\circ}\text{C}$

8. Electronic unit stability: $\pm 0.02\text{pNa}/3\text{h}$



Standard configuration

One secondary meter; one power supply; one 2-in-1 electrode, one temperature electrode; a set of electrode support, a set of standard buffer solution

Ordering guide: To inform the measured medium to facilitate the selection of electrode.

One DWS-51 laboratory Sodium meter, One pNa electrode, One pNa reference electrode, One temperature electrode, one cable, one bracket.

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