



Industrial Sodium Meter

Model : DWG-5088

DWG-5088 Industrial Sodium Meter is a brand new continuous monitoring instrument for micro-sodium ions at ppb level. With professional ppb level measuring electrode, automatic constant-voltage constant-current fluid line system and stable and efficient basification system, it provides stable and accurate measurement. It can be used for continuous monitoring over sodium ions in water and solution in thermal power stations, chemical industry, chemical fertilizer, metallurgy, environmental protection, pharmacy, biochemical engineering, foodstuff, running water supply and many other industries.

Technical Features

LCD display in English, menu in English and notepad in English.

Computer-based: Multi-parameter measurement, temperature compensation and automatic range conversion are achieved thanks to the high-performance CPU chip, high-precision AD conversion technology and SMT pasting technology, resulting in high precision and repeatability.

High reliability: Single-board structure, touch keys, no switch knob or potentiometer. Rapid response, accurate measurement and high stability.

Automatic constant-voltage constant-current liquid line system: Automatic compensation for flow and pressure of water sample.

Alarm: Isolated alarm signal output, discretionary setting of upper and lower thresholds for alarming, and lagged cancellation of alarming.

Network function: Isolated current output and RS485 Communication Interface.

History curve: It can continuously record data for a month, with a point for each five minutes.

Notepad function: Recording 200 messages.

Technical Parameters

1.Measuring range : 0 ~ 100ug / L, 0 ~ 23000mg /L

Resolution : 0.1 μg / L, 0.01mg/L0.00pNa-8.00pNa

Resolution : 0.01pNa0 ~ 60 $^{\circ}\text{C}$ Resolution : 0.1 $^{\circ}\text{C}$

2.The basic error : $\pm 2.5\%$, ± 0.3 $^{\circ}\text{C}$ temperature

3.Automatic temperature compensation range : 0 ~ 60 $^{\circ}\text{C}$, 25 $^{\circ}\text{C}$ basis

4.The electronic unit temperature compensation error : $\pm 2.5\%$

5.The electronic unit repeatability error : $\pm 2.5\%$ of reading

6. Stability: reading $\pm 2.5\%$ / 24h

7.The input current : $\leq 2 \times 10^{-12}\text{A}$ Tested water samples : 0 ~ 60 $^{\circ}\text{C}$, 0.3MPa

8.The clock accuracy: ± 1 minute / month

9.The output current error : $\leq \pm 1\%$ FS

10.Data storage Quantity: 1 month (1:00 / 5 minutes)

11.Alarm normally open contacts : AC 250V, 7A

12.Power supply : AC220V $\pm 10\%$, 50 $\pm 1\text{Hz}$

13.Isolated output : 0 ~ 10mA (load $< 1.5\text{k}\Omega$), 4 ~ 20mA (load $< 750\Omega$)

14.Dimensions: 440 (W) * 770 (H) * 234 (D) mm, hole size: 390 (W) * 650 (H) mm

Positioning holes : 280 (W) * 730 (H) mm, pore size : $\phi 12$, four-hole distribution

Alarming relay: AC220V, 3A, isolated output of alarming signals

Aperture : $\phi 12$, four-hole distribution (unless otherwise noted , the products in accordance with the size of the opening hole)

15.Working conditions: ambient temperature: 0-60 $^{\circ}\text{C}$; relative humidity $< 85\%$

