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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Medidor de conductividad en línea, ECG-1903

SB-ECG1903

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ECG-1903 Industrial Conductivity Meter

ECG-1903 Industrial online Conductivity Meter is developed on the basis of guaranteeing the performance and the functions. The clear display, simple operation and high measuring performance provide it with high cost performance. It can be widely used for continuous monitoring of conductivity of water and solution in thermal power plants, chemical fertilizer, metallurgy, environmental protection, pharmacy, biochemical engineering, foodstuff, running water and many other industries.

Features

ECG-1903 series of microcomputer-based industrial control instruments are precision meters for measurement of conductivity or resistivity of solution. With complete functions, stable performance, simple operation and other advantages, they are optimal instruments for industrial measurement and control.

The advantages of this instrument include: LCD display with back light and display of errors; automatic temperature compensation; isolated 4~20mA current output; dual relay control; adjustable delay; alarming with upper and lower thresholds; power-down memory and over ten years of data storage without backup battery.

According to the range of resistivity of the water sample measured, the electrode with a constant $k = 0.01, 0.1, 1.0$ or 10 can be used by means of flow-through, immersed, flanged or pipe-based installation.

Technical Indexes

1. Measuring range:

0.1~200 $\mu\text{S}/\text{cm}$ (Electrode: $K=0.1$)

1.0~2000 $\mu\text{S}/\text{cm}$ (Electrode: $K=1.0$)

10~20000 $\mu\text{S}/\text{cm}$ (Electrode: $K=10.0$)

0~19.99 $\text{M}\Omega$ (Electrode: $K=0.01$)

2. Resolution: 0.01 $\mu\text{S}/\text{cm}$, 0.01 $\text{M}\Omega$

3. Precision: 0.02 $\mu\text{S}/\text{cm}$, 0.01 $\text{M}\Omega$

4. Stability: $\leq 0.04 \mu\text{S}/\text{cm}$ 24h; $\leq 0.02 \text{M}\Omega / 24\text{h}$

5. Standard solution: Any standard solution

6. Control range: 0~19.99 mS/cm , 0~19.99 $\text{K}\Omega$

7. Temperature compensation: 0~60.0 $^{\circ}\text{C}$

8. Output signal: 4~20mA isolated protection output, Can double the current output.

9. Output control mode: ON/OFF relay output contacts (two sets)

10. Relay load: Max. 230V, 5A(AC); Min. 115V, 10A(AC)

11. Current output load: Max. 500 Ω

12. Working voltage: AC 230V $\pm 10\%$, 50/60Hz

13. Overall dimension: 96x96x110mm; dimension of the hole: 92x92mm

14. Working condition: ambient temperature: 5~45 $^{\circ}\text{C}$



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