

Digital Sensor Series

CS5732CDF

Free Chlorine Sensor

Product overview

The free chlorine electrode is classified as a chemical electrode within the Potentiostatic electrolytic electrode category. It utilizes a sophisticated non-membrane constant voltage electrode, eliminating the necessity for diaphragm and agent replacements.

The electrode system consists of three electrodes to address issues related to the working electrode and counter electrode failing to maintain a constant electrode potential, which can lead to increased measurement errors. By incorporating a reference electrode, the three-electrode system of the residual chlorine electrode is established. This system allows for continuous adjustment of the voltage applied between the working electrode and the reference electrode by utilizing the reference electrode potential and voltage control circuit. By maintaining a constant potential difference between the working electrode and the reference electrode, this setup offers benefits such as high measurement accuracy, prolonged working life, and reduced need for frequent calibration.

Power supply: 9~36VDC

output: RS485 MODBUS RTU

Measurement material: double platinum ring / 3 electrode Shell material: glass + POM

Waterproof grade: IP68

Measuring range: 0-20 mg/L

Measuring accuracy: $\pm 1\%$ F.S

Pressure range: 0.3 Mpa

Temperature range: 0-60°C

Calibration: sample calibration, comparison and calibration Connection mode: 4-core cable

Cable length: standard with 10 m cable

Installation thread: NPT' 3/4

Scope of application: tap water, swimming pool water, etc

