



Digital Residual Chlorine Sensor

Model : BH-485-CL

The digital residual chlorine sensor is a new generation of intelligent water quality detection digital sensor independently developed by BOQU Instrument. Adopt advanced non-membrane constant voltage residual chlorine sensor, no need to change diaphragm and medicine, stable performance, simple maintenance. It has the characteristics of high sensitivity, fast response, accurate measurement, high stability, superior repeatability, easy maintenance, and multi-function. It can accurately measure the residual chlorine value in solution. It is widely used in self-controlled dosing of circulating water, chlorine control in swimming pools, and continuous monitoring and control of residual chlorine content in aqueous solutions in drinking water treatment plants, drinking water distribution networks, swimming pools, hospital wastewater, and water quality treatment projects.



Technical Features

- ◇ The residual chlorine digital sensor is directly output RS485 signal
- ◇ High precision, high stability and strong anti-interference ability
- ◇ No instrument required, can be directly connected to computers, PLC and other equipment with RS485 / 4-20mA signal interface for data collection and maintenance; ◇ It is convenient for users to integrate sensors into industrial control environments such as host computer systems and things.
- ◇ Relevant settings can be set for the sensor through RS485 communication, slave address and baud rate, online calibration, factory reset, 4-20mA output corresponding range (4-20mA is optional), scale factor and incremental compensation and other settings.
- ◇ Adopt two-point correction method.

Technical Parameters

- ◇ Measuring range: 0-20.00 mg / L (ppm)
- ◇ Accuracy: $\pm 1\%$ or ± 0.01 mg / L
- ◇ 485 interface: support the Internet of Things (partially compatible with MODBUS protocol)
- ◇ Working conditions: ambient temperature is 0-60 °C
- ◇ Input impedance: $\geq 1 \times 10^{12} \Omega$
- ◇ Output load: 4-20mA load $< 750 \Omega$ (optional)
- ◇ Working voltage: DC 12V power supply
- ◇ Protection level: IP68