PDCL-500M Residual Chlorine or Chlorine Dioxide Oline Analyzer



Introduction

PDCL-500M Residual Chlorine or Chlorine Dioxide online analyzer, using photopolymer film and silicon crystal semiconductor as conduction elements, built-in chlorine and temperature probe, microelectronic components are injected and packaged by MEMS technology. As the concentration of free chlorine or chlorine dioxide in the water sample changes, the sensor generates different current intensity, which is processed by the regulator and signal amplifier, and converted into the standard MODBUS RS485 signal.

The use of the sensor does not need to change the reagent, simple maintenance, to ensure the long-term stability of the instrument reliability and accuracy.

Application

- Using in waterworks, rural drinking water, water stations, secondary water supply and other fields.

Technical Specification

Measurement content	HCLO、CLO2
Measuring system	Micro-electronic MEMS technology, special membrane structure
Measuring range	0-2mg/L, 0-5mg/L
Measuring accuracy （25℃，	0-2mg/L：≤2mg/L，±5% or ±0.03mg/L of test value（bigger one）
Resolution	0.01mg/L
Polarization time	For the first time, the chlorinated water is first routed for 2 hours and then
Response time	Less than 30s after polarization
Mini. conductivity	≥100μS /cm, Can not be used for ultra-pure water
Operating temp.	0~40℃ (no condensation)
Temp. compensation	PT1000, Built-in integrated automatic compensation
Max. pressure	10bar
Recommended flow	≥10L/h, (in the supporting circulation tank)
PH range	pH=5-9, Below 5 will damage the membrane head
Power	AC：85-500VAC；or DC：9~36VDC
Output	3 way 4-20mA
Relay	Three-way relay, program setting response parameters and response values
Communication protocol	MODBUS RS485
Cable length	Standard: 3M, customizable
Probe weight	About 210g
Thread size	NPT 3/4

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