PDCL-400 Residual Chlorine/Chlorine Dioxide Online Analyzer

Measurement Principle



PDCL-400 residual chlorine/chlorine dioxide adopts advanced principle of constant voltage to measure residual chlorine//chlorine dioxide in water. The principle is adding a stable electric potential between polarized electrode and reference electrode to make different measured components produce different current intensity. The analyzer calculates the concentration of the measured component by collecting and analyzing current signal.

PDCL-400 residual chlorine/chlorine dioxide has simple structure, easy to clean and replace. Meanwhile the electrode needn't to replace membrane and reagent when operating and the maintenance is simple to ensure the stability, reliability and accuracy of instrument for long-term working.

Application

- Residual chlorine/chlorine dioxide measurement of drinking water, tap water, swimming pool.

Technical Specification

Principle	Constant voltage method
Measurement range	0-2mg/L,0-20mg/L（optional）
Calibration	two-point calibration
Temperature compensation	Manual or automatic temperature compensation
Temperature	2%/℃
Power supply	AC:85-500VAC ;DC:9-36VDC
Output	3-way 4-20mA
Communication	MODBUS RS485
pH range of sample	5-8
Flow rate	30 - 60 L/h
Operating temperature	0-50℃（Non-freezing）
Electrode dimensions	Dia 13.5mm*L 178.5mm
Electrode materials	316LStainless steel shell
Cable length	Standard 5m cable, the maximum can be extended 20m

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