PEC-500 Conductivity Online Analyzer

Introduction





Conductivity sensor is a kind of glass platinum electrode.Its principle is putting 2 conductance pieces in which a voltage is added into the sample solution to measure current in the solution.Then calculate the conductivity by voltage and current.

Main Features

- Good repeatability and stability.
- Simple cleaning and activation,quite high balance speed.
- Automatic temperature compensation;
- Optional analog-digital conversion module to achieve digital signal output,high anti-jamming capacity and far transmission distance.
- Optional analog-digital conversion module to achieve standard digital signal output （RS485）,can achieve integration and networking with other equipment without controller.
- Quick and easy field installation,adopting terminal connection.

Application

- Conductivity monitoring of tap water,municipal sewage and aquaculture and etc.
- Conductivity monitoring of industrial process water and in wastewater treatment process.

Technical Specifications

Main materials	Black polypropylene shell, glass platinum electrode
Measurement range	Conductivity：10-5,000 us/cm；Temperature：0-80℃
Pressure range	≤0.6Mpa
Response time	≤10 sec (Reach 95% of the end value)(After stirring)
Power supply	AC：85-500VAC　DC：9~36VDC
Output	3-way 4-20mA
Relay	Three-way relays,programmed response parameter and response value.
Communication Protocol	MODBUS　RS485
Measuring temperaturetemperature	0- 80℃（Non-freezing）
Dimension	Sensor：Dia28.7mm*L 195mm Transmitter：145*125*162mm(L*W*H)
Weight	Sensor：0.2KG；Transmitter：1.35KG
Cable length	Standard：10m，the maximum can be extended