PEC-500B Digital Conductivity Sensor

Introduction



PEC-500B digital quadrupole Conductivity Sensor, suitable for all kinds of harsh working environment. It has the advantages of high precision, long life and small drift. Widely used in surface water, municipal sewage, industrial wastewater, sewage treatment, waterworks, industrial process, aquaculture and other industries.

Main Features

- Core electrode adopts quadrupole working principle, wide range, high accuracy and good stability.
- Electrode is made of graphite, high sensitivity, strong ability to resist pollution.
- Waterproof grade IP68, 316L stainless steel corrosion resistant shell, long-time work underwater.
- Built-in PT-1000 temp. sensitive resistor, effective temperature compensation.
- RS485 communication interface, the standard Modbus protocol, ease of integration.
- Sensor power supply positive and negative reverse connection protection.
- Sensor RS485 A/B terminal is connected to the power supply protection.

Application

- Surface water, water plant, aquaculture.
- Municipal sewage and industrial wastewater, sewage treatment, industrial process.

Technical Specifications

Measuring range	10 us/cm -200 ms/cm
Main material	316L Stainless Steel
Resolution	0.01us/cm-1us/cm depends on measure range
Repeatability	±1% or 1us/cm bigger one
Accuracy	±1% or 1us/cm bigger one
Temp. measuring range	0-100℃
Electrode voltage resistance	0-0.1 Mpa
Electrode temp. resistance	0-45℃ (no icing)
Communication Interface	RS485,Standard Modbus
Operating Voltage	9-36V
Protection class	IP68/NEMA6P
Dimensions	Dia34mm*L 231mm
Mounting thread	Upper thread R3/4
Cable length	Standard cabel:10M,Max extended to 200M.