

CS3740D Digital Conductivity Electrode



Easy to connect to PLC, DCS, industrial control computers, general purpose controllers, paperless recording instruments or touch screens and other third party devices.

Specifications

Measuring specific conductivity of aqueous solutions is becoming increasingly important for determining impurities in water. The measurement accuracy is greatly affected by temperature variation, polarization of the contact electrode surface, cable capacitance, etc. Twinno has designed a variety of sophisticated sensors and meters that can handle these measurements even in extreme conditions.

Twinno's quadrupole sensor has been proven to operate over a wide range of conductivity values. It is made of PEEK and is suitable for simple NPT3/4" process connections. The electrical interface is customizable, which is ideal for this process. These sensors are designed for accurate measurements over a wide electrical conductivity range and are suitable for use in the pharmaceutical, food and beverage industries, where product and cleaning chemicals need to be monitored. Due to industry hygiene requirements, these sensors are suitable for steam sterilization and CIP cleaning. In addition, all parts are electrically polished and the materials used are FDA-approved.

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| Model Number | CS3740D |
| Power supply/Signal output | 9~36VDC/RS485 MODBUS RTU |
| Measure material | Graphite(4 Electrode) |
| Housing material | PP+ |
| Waterproof rating | IP68 |
| Measurement range | Con: 0-500ms/cm; TDS: 0-250g/L; Salinity: 0-700ppt; 0-70%; 0-700g/L |
| Accuracy | ±1%F.S |
| Pressure resistance | ≤0.6Mpa |
| Temperature compensation | NTC10K |
| Temperature range | 0-80℃ |
| Calibration | Sample calibration, standard liquid calibration |
| Connection methods | 4 core cable |
| Cable length | Standard 10m cable, can be extended to 100m |
| Installation thread | NPT3/4" |
| Application | General application, river, lake, sea water, industrial water and so on. |