CS3640 Conductivity Sensor

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 4-electrode sensor has been proven to operate over a wide range of conductivity values. It is made of PEEK and is suitable for simple PG13/5 process connections.The electrical interface is VARIOPIN, 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.

Model No.	CS3640
Cell constant	K=1.0
Electrode type	4-pole Conductivity sensor
Measure material	Graphite
Waterproof rating	IP68
Measurement range	0.1-500,000us/cm
Accuracy	±1%F.S
Pressure resistance	≤0.8Mpa
Temperature compensation	PT1000 ATC
Temperature range	-10-80℃
Measuring/Storage Temperature	0-45℃
Calibration	Sample calibration, standard liquid calibration
Connection methods	4 core cable
Cable length	Standard 5m cable, can be extended to 100m
Installation thread	NPT1/2"
Application	General purpose