

## CS3742D Conductivity Sensor

**Designed for Pure, Boiler Feed water, Power Plant, Condensate Water.**

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



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.

Suitable for low conductivity applications in the semiconductor, power, water and pharmaceutical industries, these sensors are compact and easy to use. The meter can be installed in several ways, one of which is through the compression gland, which is a simple and effective method of direct insertion into the process pipeline.

The sensor is made from a combination of FDA-approved fluid receiving materials. This makes them ideal for monitoring pure water systems for the preparation of injectable solutions and similar applications. In this application, the sanitary crimping method is used for installation.

<b>Model NO.</b>	<b>CS3742D</b>
<b>Power/Outlet</b>	9~36VDC/RS485 MODBUS RTU
<b>Cell constant</b>	K=0.1
<b>Measure material</b>	Graphite (2 Electrode)
<b>Housing material</b>	PP
<b>Waterproof grade</b>	IP68
<b>Measurement range</b>	1-100us/cm
<b>Accuracy</b>	±1%F.S
<b>Pressure resistance</b>	≤2.0Mpa
<b>Temperature compensation</b>	NTC10K
<b>Temperature range</b>	0-130°C
<b>Calibration</b>	Sample calibration, standard liquid calibration
<b>Connection methods</b>	4 core cable
<b>Cable length</b>	Standard 10m cable, can be extended to 100m
<b>Installation thread</b>	NPT3/4"
<b>Application</b>	General application, river, lake , drink water,etc.