

PRODUCT INFO

PRODUCT NAME

Online Conductivity Transmitter

PRODUCT CODE

CONx250

PRODUCT CATEGORY

Analytic Instrumentation

PRODUCT PRICE

Talk with a Serrata Instruments Reseller

APPLICATION GUIDELINES

The online conductivity measurement system is designed for continuous and precise conductivity monitoring in water and liquid applications. This advanced system ensures real-time measurement, making it ideal for water treatment plants, industrial process water monitoring, and quality control applications. By providing accurate, stable, and reliable conductivity readings, it helps industries maintain optimal water quality and process efficiency.



Reliable Online Conductivity Monitoring Solution

This system consists of two main components: a conductivity probe, which is immersed directly in the liquid to perform real-time measurements, and a transmitter-controller unit, which processes and displays the data for monitoring and control. The robust design, high accuracy, and automation-friendly integration make it an essential tool for facilities requiring continuous conductivity measurement and regulation. Whether in wastewater treatment, boiler feed water analysis, or industrial process monitoring, this system ensures seamless integration and dependable performance in demanding environments.

CONTACT US

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KEY FEATURES PRODUCT

INTEGRATION AVAILABILITY

- CONx250-T2-A has 2 x 4-20 mA Analog Outputs, 2 x Relay Outputs and Rs485 Modbus

ROBUST DESIGN

- Thanks to IP66 design, CONx250 is suitable to use at harsh environment even industrial applications.

CHARACTERISTIC FEATURES

- Resistivity and Salt Calculation

APPLICATION USAGE

- Water Treatment, Process Water, Water Monitoring

INFORMATION

CONx250-T2-A

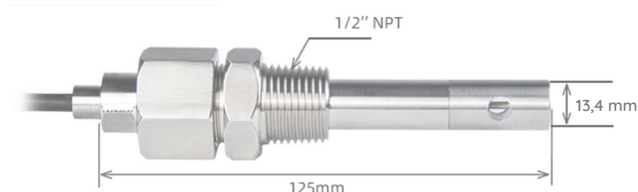
Conductivity Measuring Range	0-10000 uS/cm (probe depended)
Conductivity Methode	2 Pole technology
Inputs	Conductivity Probe and Temperature Sensor (Pt1000 or NTC 10K)
Analog Outputs	2 x 4-20 mA (Conductivity and Temperature)
Relay Outputs	2 x Relay (NO)
Communication	Rs485 Modbus
Mounting Option and Protection	Panel Mount (Wall kit is option), IP66
Dimensions	Front Panel 100x100 mm, H : 120 mm
Display	3,2" LCD Screen, Monocolor, with backlit
Power	100-240 Vac
Functions	Automatic Temperature Compensation, Resistivity Measurement, Salinity Calculation

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CONDUCTIVITY PROBES



INFORMATION

CS-2-K0,01

CS-2-K0,1

CS-2-K1

Conductivity Measuring Range *

0,2-20 $\mu\text{S/cm}$

0,5-200 $\mu\text{S/cm}$

5-2000 $\mu\text{S/cm}$

Conductivity Method

2 Pole technology

Probe Body

Stainless Steel

Process Connection

1/2" NPT

Working Pressure

max 5 Bar

Working Temperature

max 100 °C

Cable

10 meter, integrated

Temperature Sensor

Integrated Pt1000

Probe Dimension

Length 74 mm (incl screw), Diameter 13,4 mm

•Accuracy is calibration depended,

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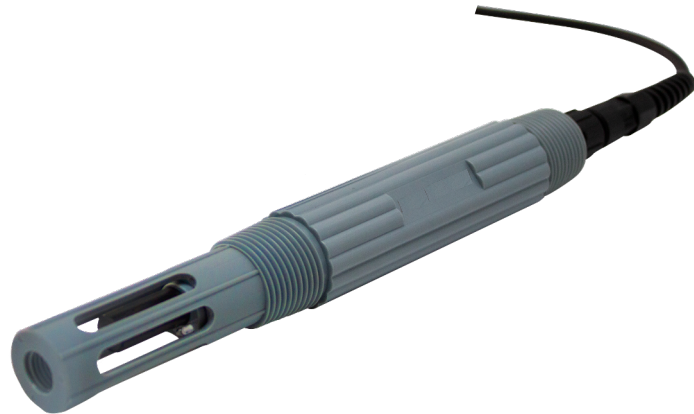
CONDUCTIVITY PROBES



Connector for cable

1" NPT
Immersion Type
Housing Connection

1" NPT
Process Connection



INFORMATION

CS-2-300

Conductivity Measuring Range *

0,1-10 mS/cm

Conductivity Method

2 Pole technology

Probe Body

ABS

Process Connection

1" NPT

Working Pressure

max 4 Bar

Working Temperature

max 60 °C

Cable

5 meter, seperated, connector connection. Included.

Temperature Sensor

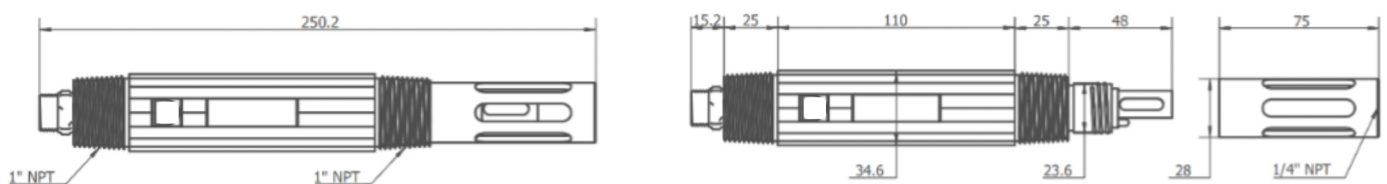
Integrated Pt1000 or NTC10K

Cell Material

Graphite

•Accuracy is calibration depended,

Dimension :



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