



CONDUCTIVITY SENSOR WITH TRANSMITTER

NK Instruments Pvt. Ltd. has a quality line of industrial grade submersion or in-line mounting type Conductivity Electrodes with Digital Conductivity Transmitter Electrodes are constructed of stainless steel bodies and pins (SS316) and either teflon or peek insulator. Automatic temperature compensation is available as an option. Applications may include food, pharmaceutical, high purity water, reverse Osmosis, waste treatment, and other processes.

Transmitter with heavy duty electrode, for boiler applications.
Available with ATC PT 100.
0.05, 0.1, 1.0 and 10.0 cell constants.
Extended length version for mounting in cross.



Engineering Specification of Electrode

- The sensor has these important enhanced performance design characteristics
 - Manufactured to exacting tolerances using high quality, rugged materials.
 - Offers durable 316 stainless steel body conductivity and resistivity sensors with NPT connection mounting.
 - Individually tested to determine its absolute Three-digit cell constant, ensuring highest possible measuring accuracy.
 - Built to include a Pt 100 [Pt 1000 optional] RTD temperature element within its tip for exceptionally fast response to changes in Temperature with $\pm 0.1^{\circ}\text{C}$ accuracy.
 - It is suitable for operating temperature up to 135°C and Pressure up to 100 psig.
- Available with cell constant of 0.05, 0.1, 1 or 10 and fitting with $\frac{3}{4}$ " NPT male.
- The sensor has an integral 3 M cable, or an integrally mounted junction box (polypropylene, aluminium or 316 stainless steel) that requires optional interconnect cable.
- Wetted Materials: STAINLESS STEEL 316 BODY AND TEFLON INSULATOR,



Ordering Information:

Range	Conductivity Range [MicroS/cm]
0.05	0 – 1, 0 – 5, 0 – 10
0.1	0 – 20, 0 – 50, 0 – 100, 0 – 200\
1	0 – 1000
10	0 – 10000, 0 – 50000

Technical Specifications of Digital Indicating Transmitter

- Function : Conductivity Indicator & Transmitter (Relay Optional)
- Display : 16 X 1 LCD display
- Supply of Voltage : 90 to 230 V AC (SMPS power supply)
- Linearity : $\pm 2\%$ of full range
- Repeatability : $\pm 0.5\%$ of full range
- Inputs : from Conductivity cell
- Configuration Lock : Password protection
- Calibration : Using front keys
- Meter size : 110 mm X 110 mm X 140 mm
- Output : 1 no. 4 to 20 mA

Continuous efforts for product development may necessitate changes in these details without notice.

CONTACT DETAILS

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