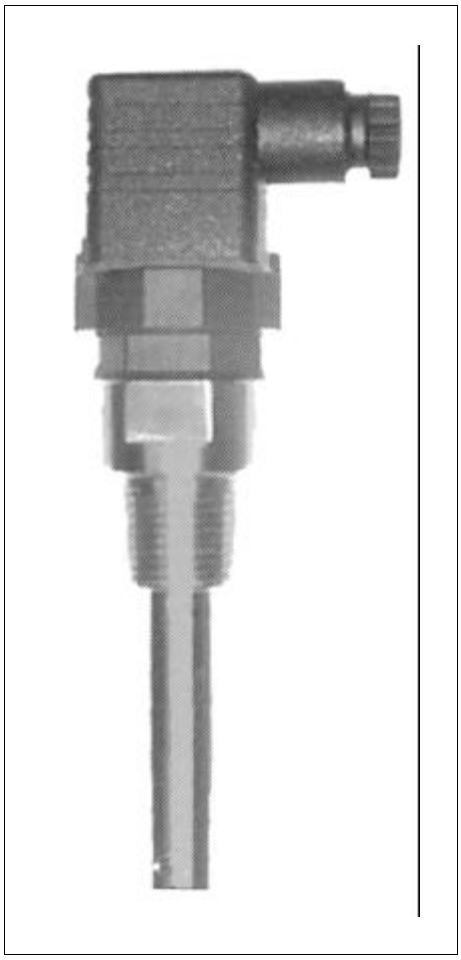
Conductivity Electrode

Model C621 & C621H



Standard Features

- In-Line Installation
- Temperature Compensation
- Treated 316 Stainless Steel Body
- Cell Constant Validated At The Factory
- C621: IP 65 Detachable Plastic Cable Connector
- C621H: NEMA 4 Aluminum Threaded Terminal Box
- Temperature Sensors: 10K NTC, Pt100 and Pt1000

Specifications

- **Temperature Range C621:** 0 To 140°C
- **Temperature Range C621H:** 0 To 205°C
- **Maximum Pressure C621:** 150 psig (1000kPa) at 135°C
- **Maximum Pressure C621H:** 250 psig (1750kPa) at 205°C
- **Wetted Materials:** 316 Stainless Steel and PEEK
- **0-Rings:** *Viton*[1]
- **Cell Constants:** K=1.0, K=0.1 and K=0.01
- **Process Fitting:** ½" and ¾" NPT or BSP Male Fittings.

The Model C621 & C621H conductivity electrode provides rugged construction and long term stability through the use of specially treated 316 stainless steel. This probe is engineered to minimize errors due to polarization effects, and respond rapidly to changing temperatures. The C621 series is compatible with most conductivity transmitters that are designed for a standard two electrode cell (not a 4-cell type).

To ensure compatibility with your test sample, please choose a cell constant and temperature element prior to ordering.

Cell Constant of K=1.0	Drinking water, service water, beer, milk and juice. **Conductivity Ranges: 10 to 2000 µS/cm at 25°C.**
Cell Constant of K=0.1	High purity water such as condensate and boiler feed water in power plants. **Conductivity Ranges: 0.5 to 200µS/cm at 25°C**
Cell Constant of K=0.01	Specific resistivity or conductivity for monitoring ion exchangers, reverse osmosis systems, ultra-pure water for the medical and electronics industry. **Conductivity Range: 0.055 to 20µS/cm at 25°C.**

[1] A registered trademark of E.I. du Pont de Nemours and Company

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