

## Specifications

### **Operating Pressure & Temperature:**

Max 100 psig @ 150°C with  
Teflon™ Insulator

Max 250 psig @ 205°C with  
PEEK Insulator

Valve Assembly: 50 PSIG at all  
temperatures

### **Process Connection:**

3/4" NPT for sensor, 1" NPT for  
valve

### **Wetted Materials**

Insulator: Teflon™ Standard,  
PEEK optional

Electrode: 316SS

O-Rings: EPDM

### **Cell Constant:**

K=0.01; 0.02; 0.05; 0.1; 0.2; 1.0;  
2.0; 5.0; 10.0; 20.0/cm

### **Measuring Range:**

Dependent Upon Cell Constant  
and Mating Transmitter Used

### **Temperature Element:**

PT1000, PT 100. Others on  
request

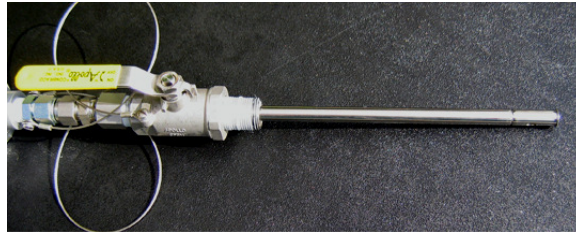
**Cable Length:** 10-ft standard,

100-ft maximum

**Made in America**



## SC-40 Wide Range Conductivity Sensors



The Foxcroft SC-40 contacting conductivity sensor provides a wide range of measurements for demanding process conditions.

It's suitable for high purity water to solutions with high chemical concentrations.

Sensors can be inserted, submerged, or provided with a valve retractable assembly for insertion and removal under line pressure using a through-bored swage fitting with 3/4" NPT threads.

The swage fitting can be reversed for threading onto a standpipe for submersion.

Available cell constants range from K=0.1/cm up to K=20.0/cm. The exact recommended conductivity range for each cell constant depends upon mating instrument.

Valve retractable assemblies are available with optional explosion & weather proof 3/4" NPT junction box. Pressure rating with the junction box and no valve assembly is 400 PSIG @ 100°C.

Double O-ring construction provides maximum service life.

10-ft long cables are standard, lengths up to 100 feet can be supplied. Cable extensions with water proof and corrosion resistant quick disconnect fittings make it quick and easy to remove the sensor for maintenance.

## Dimension Details SC-40

