

# Stainless Steel Conductivity Sensors for Boiler Blowdown

## Product Instructions

### Mechanical Installation

**In-Line Installation.** Suggested mounting is in 3/4" NPT forged steel tee. Install electrode first. Make sure to wrap electrode threads with Pipe Thread Sealing Tape before installing. Align electrode hole in body with tee flow path as shown in FIG 2. Next, install conduit box on top of electrode at 3/4" NPT top thread (SEE FIG 1). Outdoor applications or other areas of hosedown should use pipe joint sealant.

**Electrode Removal.** Simply reverse installation procedures above.

### Electrical Installation

Attach sensor wires to terminal strip in conduit box. Next attach extension wires from terminal strip in conduit box to conductivity controller or transmitter. Wiring is as follows:

- Red:** Sensor
- Black:** Sensor
- Green:** Temperature
- White:** Temperature

Follow wiring instructions supplied with your controller.

### Calibration

Calibrate sensor according to meter/controller manufacturer's instructions using known certified conductivity standards. Be sure and calibrate in large beaker or bucket stirring sample with electrode. Avoid bubbles as much as possible as bubbles cause erroneous readings.

### SPECIFICATIONS

<b>Cell Constant</b>	<b>CS675HTTC</b> 0.1 ,1.0 <b>CS875HTTC</b> 1.0
<b>Maximum Temp/Pressure</b>	<b>CS675HTTC</b> 200C/250 psig <b>CS875HTTC</b> 235°C/600 psig
<b>Wetted Materials</b>	<b>CS675HTTC</b> SS316, PEEK, EPDM <b>CS875HTTC</b> perfluoro elastomer
<b>Electrode Connections</b>	3/4" NPT (both model)
<b>Wiring</b>	red - body blk - center pin grn - temperature wht - temperature

*Note: Model CS675HT & CS875HT has red & blk wires only*

Parts covered by this product data sheet include:  
CS675HT, CS675HTTC, CS875HT, CS875HTTC

