

Stainless Steel Conductivity Sensors for Boiler Blowdown

Product Instructions

Mechanical Installation

In-Line Installation. Suggested mounting is in 1" NPT forged steel cross. Install 1" x 3/4" reducing bushing first. Make sure to wrap threads with PTFE tape before installing. Next, install electrode into 3/4" female receptacle of reducing bushing. Make sure to wrap threads with PTFE tape before installing. Last, install conduit box on top of electrode at 3/4" NPT top thread. Since this threaded connection does not see liquid, no PTFE tape is required. Orient sensor in cross as shown in FIG 2.

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: TC

White: TC

Note: Model CS676HT has red and black wires only

Follow wiring instructions supplied with your controller.

Calibration

Calibrate sensor according to meter/controller manufacturer's instructions using known certified conductivity standards. Contact Sensorex or go to www.sensorex.com for a complete selection of calibration 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

Cell Constant	1.0
Maximum Temp/Pressure	200 deg C/250psig
Wetted Materials	SS316, PEEK, EPDM
Electrode Connections	3/4" NPT
Wiring	Red - Body Black - Center Pin Green, White - TC

