

CS8000TC - Cooling Tower Conductivity Sensor and Flow Cell Installation

Introduction

Your CS8000TC conductivity sensor system installs easily by following the steps below:

- 1) Glue (FC875/S) or thread (FC875/T) into your cooling tower water loop.
- 2) Install CS8000TC into the tee by aligning the notch of the CS8000TC with the FC875 tab as shown in FIG 1.
- 3) Slide nut of FC875 tee over CS8000TC and tighten as shown in FIG 2.
- 4) Attach S855 cable to the top of CS8000TC sensor by aligning the black tab of the CS8000TC sensor with the slot of the S855 cable. Press in and then tighten nut as shown in FIG3.

Electrical Connections

Follow wiring connections from your conductivity transmitter or controller.

Wiring from S855 Cable is as follows:

Wire Color	Function
Center of Coaxial	Conductivity
Braid of Coaxial	Conductivity
Red	Temperature
Black	Temperature
Green	No Connection

Calibration

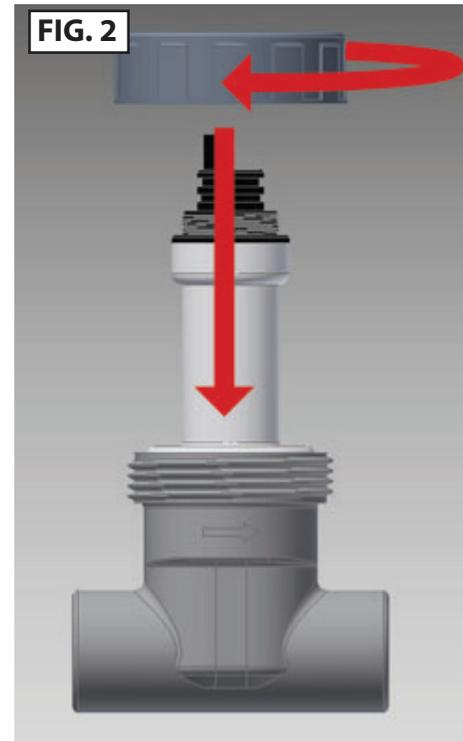
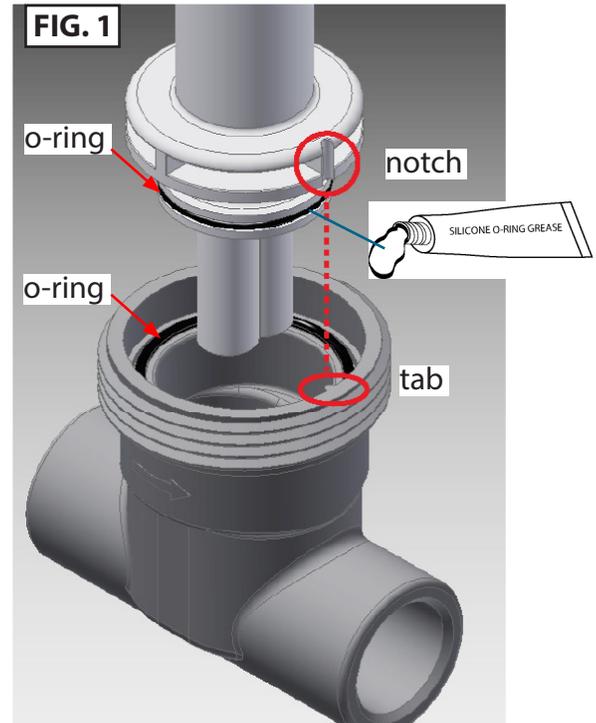
Follow calibration instructions in your conductivity transmitter or controller manual. Suggested calibration is at least 2 points. One point is in air (0uS) and the other is typically >75% of the selected range. See www.sensorex.com for a wide range of conductivity standard solutions.

Sensor Repair

Do not attempt to repair any part of the sensor. If the sensor's cable is damaged, consult the factory for details.

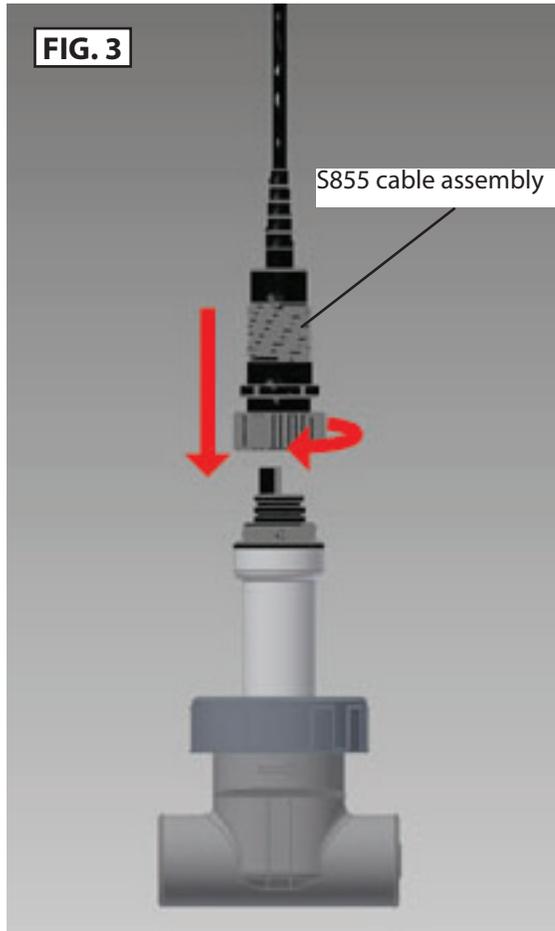
Sensor Storage

If long-term storage of probes is required, rinse off the sensor in clean water and dry off completely before storing.



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SPECIFICATIONS		
Sensor Materials		
Sensor Body:	CPVC	
Measuring Surface:	Graphite	
O-ring:	EPDM, [®] (271564)	
Flow Cell Materials		
Flow cell and nut:	CPVC	
O-ring:	Viton, [®] (270852)	
Cable Materials		
Body of cable:	PPS	
Cable Jacket:	PVC, Black	
Temp/Pressure		
Max: 60 deg C(140 deg F)/100 psig		
Wiring		
Wiring from S855 Cable is as follows:		
Wire Color		Function
Center of Coaxial		Conductivity
Braid of Coaxial		Conductivity
Red		Temperature
Black		Temperature
Green		No Connection



Notes:

1)EPDM = Ethylene propylene

2)Viton[®] is a registered trademark of DuPont[™]