

Industrial Contacting Conductivity Sensors



Heavy duty electrodes for boiler applications

Available with ATC for most makes and models of conductivity transmitters or controllers

0.1, 1.0 and 10.0 cell constants available (see details below)

Extended length version for mounting in cross

Sensorex manufactures a quality line of industrial grade conductivity electrodes for submersion or in-line mounting. All electrodes are constructed with stainless steel bodies and pins (316SS) and PEEK insulators. Automatic temperature compensation is available as an option. Model CS650TC is well suited for ultra-pure water applications while CS675HTTC and CS676HTTC are well suited for boiler applications. All "HTTC" models are supplied with 6" Teflon coated wires.

SPECIFICATIONS

Wetted Materials:

CS650 Series: STAINLESS STEEL 316 BODY AND PINS, PEEK INSULATOR, AFLAS O-RINGS

CS675, CS676 Series: STAINLESS STEEL 316 BODY AND PINS, PEEK INSULATOR, Ethylene Propylene O-RINGS

Cell constants:

CS650 MODELS: 0.1 AND 1.0 ONLY
CS675, CS676 MODELS: 0.1, 1.0 AND 10.0

Wire leads:

CS650, CS675, CS76 "TC" or "HP" or "HPTC" models - PVC jacketed 4-conductor cable

CS650, CS675, CS76 "HTTC" models: 6" TEFLON COATED WIRE (or Tefzel jacketed cable CONTACT FACTORY)

Wire designations (PVC jacketed or Teflon coated):

red = body
black = center pin
grn/wht = Temperature

Wire designations (Tefzel jacketed):

White = body
blue stripe = center pin
grn stripe/orange stripe = Temperature

Temperature/Pressure Ratings:

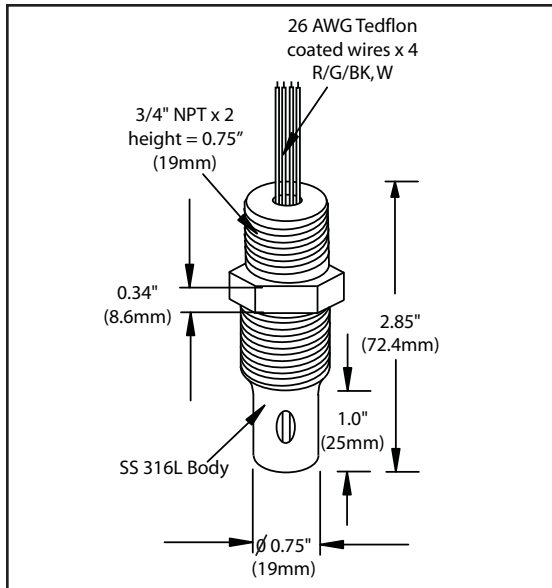
Model#	Temp. Max.	Pressure Max.
CS650HT/HTTC	200C	250 psig
CS675/TC	100C**	250 psig
CS675HT/HTTC	200C	250 psig
CS676/TC	100C**	250 psig
CS676HT/HTTC	200C	250 psig
CS675HP/HPTC	100C**	300 psig
CS650/CS650HP	100C	300 psig
CS676HP/HPTC	100 C**	300 psig

Note: ** 70C for NTC (thermistor temperature sensors)

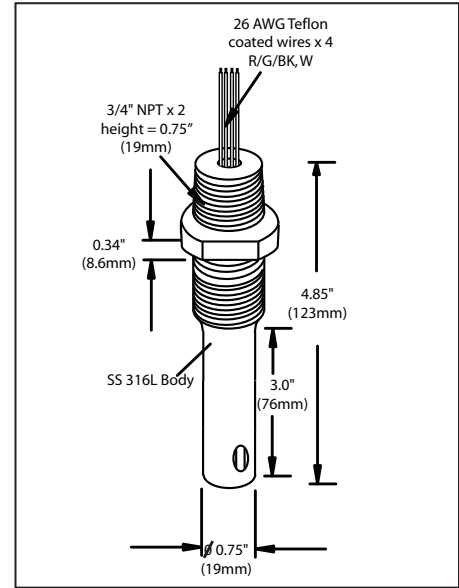
Parts covered by this specification sheet include: CS650HT, CS650HTTC, CS675, CS675HP, CS675HPTC, CS675HT, CS675TC, CS675HTTC, CS676, CS676HP, CS676HPTC, CS676TC, CS676HT, CS676HTTC

Industrial Contacting Conductivity Sensors

CS675TC, CS675HTTC



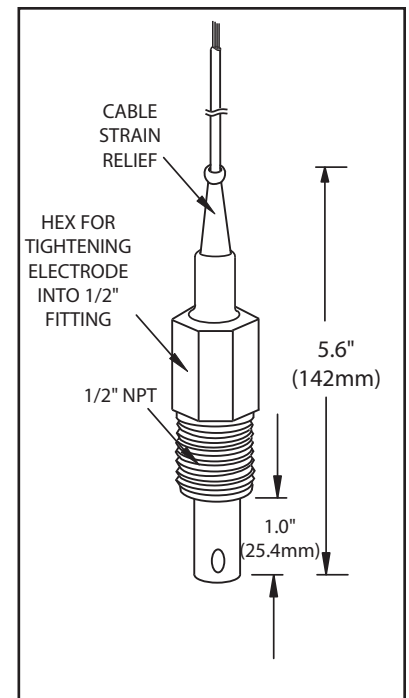
CS676TC, CS676HTTC, CS676HPTC



Ordering Information

Model Number	Description	Specify
CS650TC	316SS conductivity sensor with 1/2" NPT	cell constant, TC
CS650HTTC	High Temp 316SS conductivity sensor with 1/2" NPT	cell constant, TC
CS675TC	316SS conductivity sensor with 3/4" NPT	cell constant, TC
CS675HTTC	High Temp 316SS conductivity sensor with 3/4" NPT	cell constant, TC
CS675HT	High Temp 316SS conductivity sensor with 3/4" NPT	cell constant only
CS676TC	Extended Length 316SS conductivity sensor, 3/4" NPT	cell constant, TC
CS676HTTC	High temp, ext length 316SS conductivity sensor 3/4" NPT	cell constant, TC
CS676HP	High temp, ext length 316SS conductivity sensor 3/4" NPT	cell constant only
CS675HPTC	High pressure 316SS conductivity sensor 3/4" NPT	cell constant, TC
CS650HP	High pressure 316SS conductivity sensor 1/2" NPT	cell constant only
CS650HPTC	High pressure 316SS conductivity sensor 1/2" NPT	cell constant, TC
CS676HP	Extended Length 316SS conductivity sensor, 3/4" NPT	cell constant only
CS676HPTC	Extended Length 316SS conductivity sensor, 3/4" NPT	cell constant, TC

CS650TC, CS650HTTC



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Parts covered by this specification sheet include: CS650HT, CS650HTTC, CS675, CS675HP, CS675HPTC, CS675HT, CS675TC, CS675HTTC, CS676, CS676HP, CS676HPTC, CS676TC, CS676HT, CS676HTTC