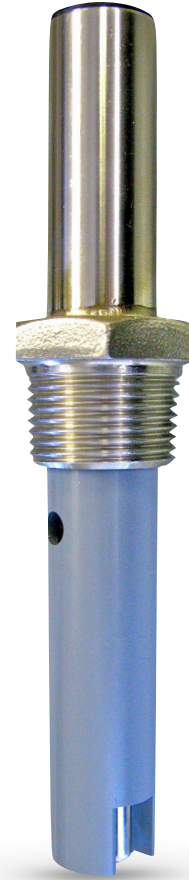




**Compact size with high 10.0 cell constant.**

**O-ring sealed on all versions for increased dependability.**

**Thermowell TC housing provides rapid temperature response.**

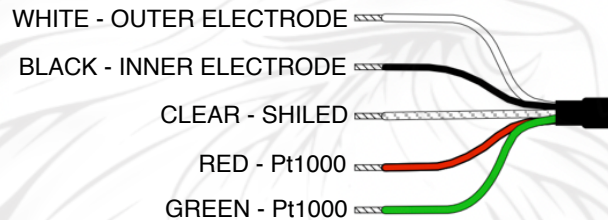
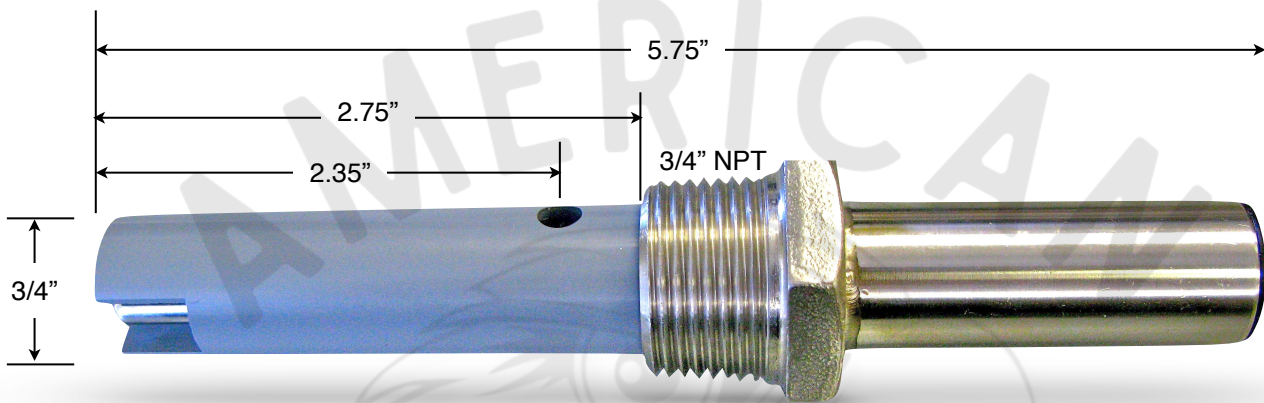


The ACS52 sensor has a small footprint for its high probe constant of  $K=10.0$ . Its size and economical pricing make it ideal for various applications, R.O. systems, water treatment units, chemical dilutions, etc.

**Application Notes**

Materials of construction are 316 stainless steel and CPVC, with two o-ring seals. The outer o-ring is the only one exposed to the process fluid, allowing the back seal to work free from chemical attack. The temperature compensator's thermowell is exposed directly to the stream, assuring quick compensation for maximum accuracy. Process connections are 3/4" NPT for insertion, and the back portion is 3/4" stainless steel tubing, which a swage fitting can grip for submersion applications.

TITLE			
ACS52 CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9015	A



### CS52 CONDUCTIVITY SENSOR SPECIFICATIONS

**MAX. PRESSURE/TEMP. RATINGS**

100 PSIG at 95°C  
 500 PSIG at 50°C

**WETTED MATERIALS**

**Electrodes** - 316L Stainless Steel  
**Insulator** - CPVC  
**O-rings** - EPDM FDA Approved

**CELL CONSTANT**

10.0

**CONNECTIONS:**

**Process Fitting** - 3/4" NPT

**Electrical** - Stripped and tinned 24 ga.

**TEMPERATURE ELEMENT:**

Pt1000 and Pt100 are standard, other options available.  
 Provide the make and model of instrument for assistance in selecting the correct temperature element.

TITLE			
ACS52 CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9015	A