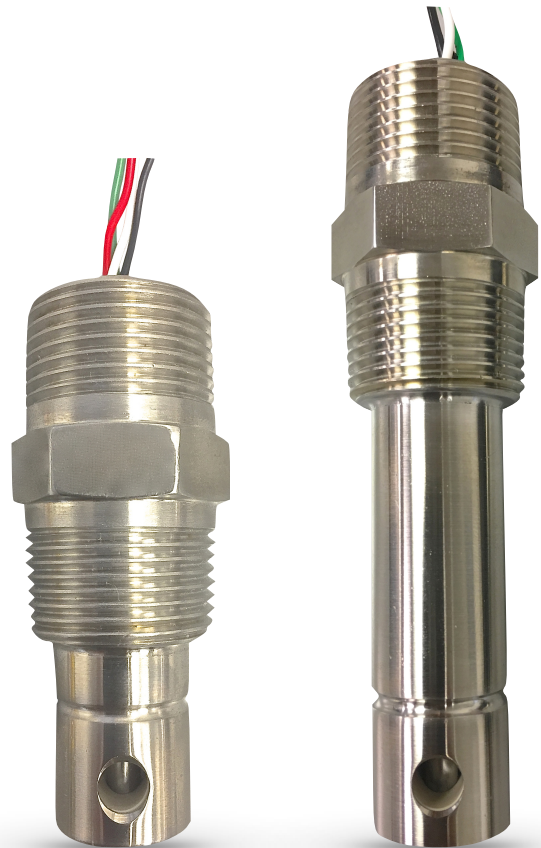




**Measure conductivity directly in process temperatures up to 205°C @ 250 PSIG.**

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

**Boiler condensate and blowdown control without coolers.**

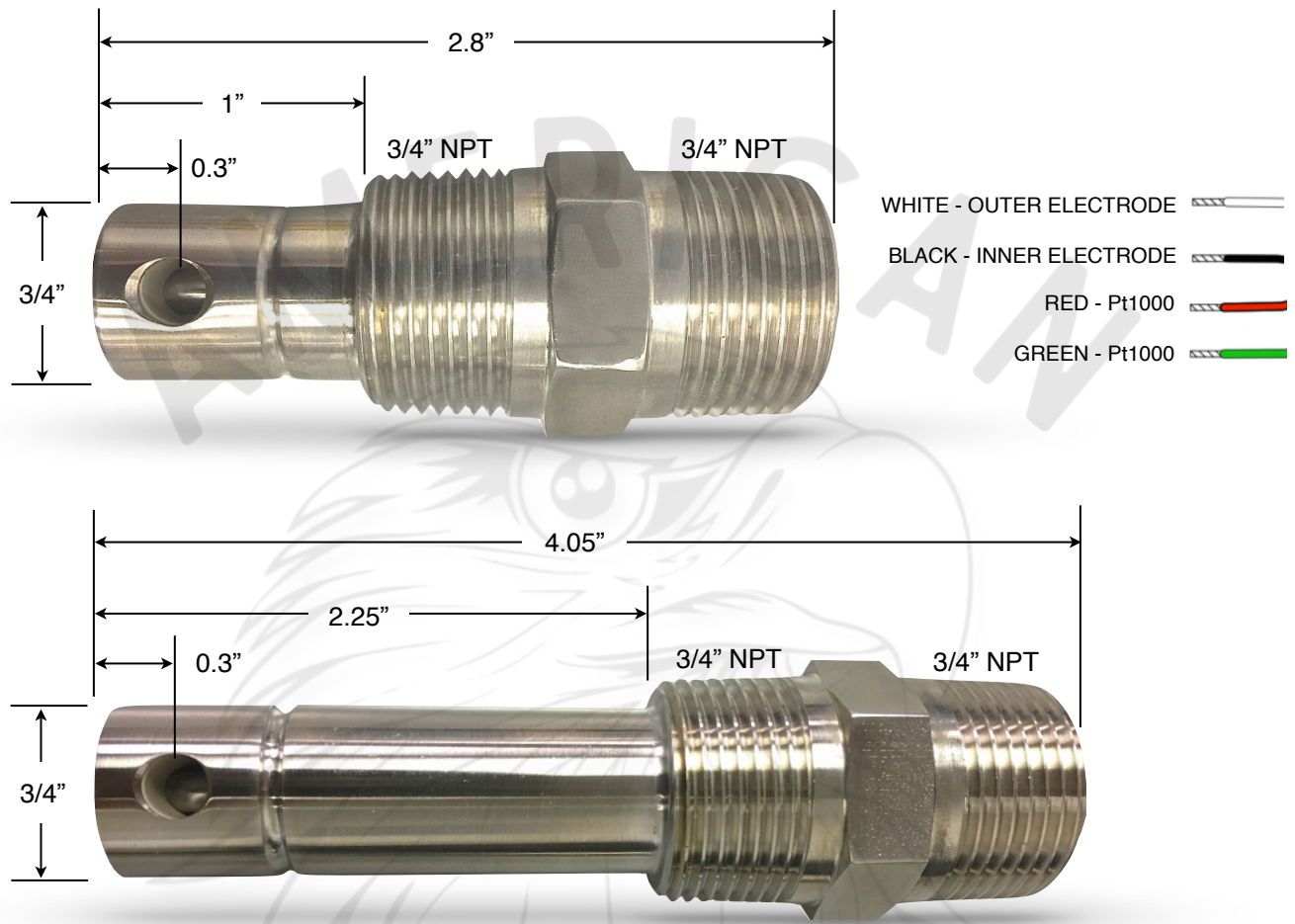


The ACS41 sensor was designed for high pressure, high-temperature conductivity measurements and is an excellent choice for boiler control and cooling tower applications. Blowdown control, condensate monitoring, leak detection on heat exchangers, and steam purity measurements are just a few of the many applications. The rugged one-piece body design provides a dependable sensor free from weld defects, including pinhole leaks.

**Application Notes**

The materials of construction are a solid 316 stainless steel sensor body, PEEK insulator, and specialty high-temperature Parker o-rings. Hot water is a harsh environment for any elastomer, and the front o-ring endures the brunt of the attack, allowing the rear o-ring to maintain a reliable seal. Double o-ring seals block all possible leak paths for maximum on-stream reliability.

TITLE			
ACS41 CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9011	A



## ACS41 CONDUCTIVITY SENSOR SPECIFICATIONS

### MAX. PRESSURE/TEMP. RATINGS

**Hi Temperature** - 250 PSIG at 205°C

**Low Temperature** - 500 PSIG at 100°C

### WETTED MATERIALS

**Electrodes** - 316L Stainless Steel

**Insulator** - PEEK

**O-rings** - Parker Hi-Temp

### CELL CONSTANTS

2.0 / 1.0 / 0.1

### CONNECTIONS:

**Process Fitting** - 3/4" NPT with optional explosion proof, weather proof, painted aluminum junction box.

**Electrical** - 3/4" FNPT conduit hub; terminal strip to accept stripped leads, 14-24 ga.

### TEMPERATURE ELEMENT:

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

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