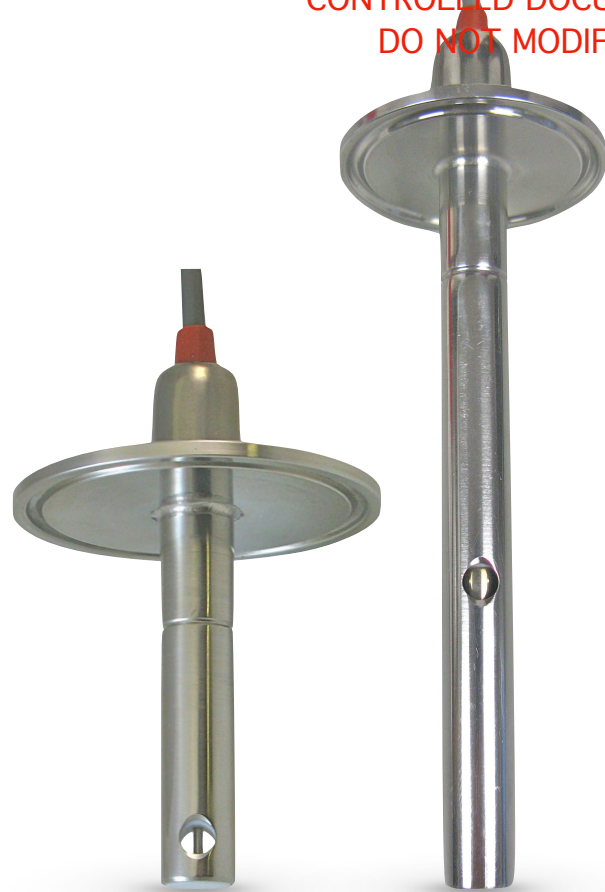




CONTROLLED DOCUMENT
DO NOT MODIFY

- **Designed for insertion into Ladish or Tri-Clover fittings.**
- **O-ring seals used on all versions for high on-stream reliability.**
- **Steam sterilizable**

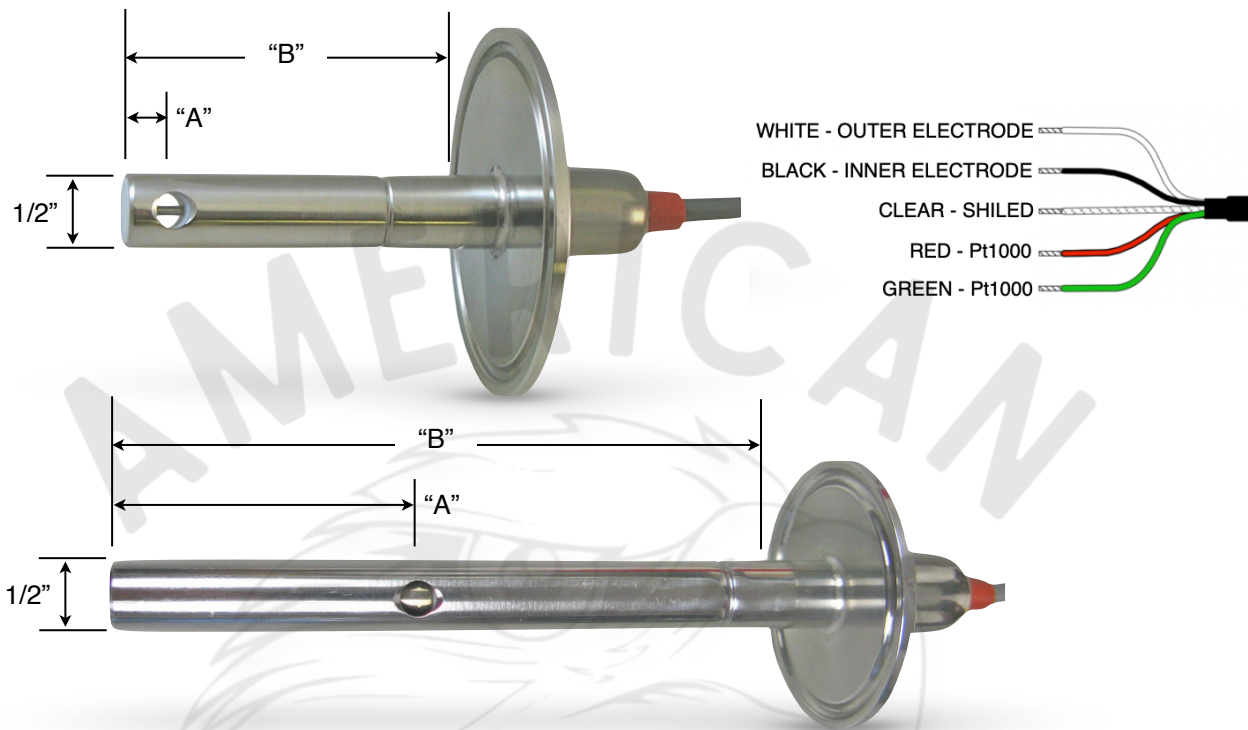


The ACS10, ACS51 and ACS52 sensors are welded to blind flanges of customer specified size, and can then be inserted into standard tee fittings in sanitary systems using Ladish or Tri-Clover fittings.

Application Notes

Wetted materials of construction are 316 Stainless Steel and Teflon, with double redundant EPDM o-rings. The process side o-ring is the only one in contact with the stream, allowing the back o-ring to maintain reliable sealing, free from chemical attack. ACS pots the TC elements in the body or within the center electrode. Leads are 10' standard. Process connections are Tri-Clamp sanitary flanges of customer-specified size. Two available insertion depths to obtain proper positioning in a specific installation. The sensor is built for clean-in-place service, either steam or sterilizing chemicals. All wetted materials are FDA-compliant, and USP Class VI is available.

TITLE			
ACS SANITARY CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9017	A



SENSOR DIMENSIONS		
PN #	"A"	"B"
ACS10-0.01	1.98"	5.00"
ACS10-0.1	0.30"	5.00"
ACS10-1.0	0.30"	5.00"
ACS51-0.01	1.30"	2.65"
ACS51-0.1	0.30"	2.65"
ACS51-1.0	0.30"	2.65"

ACS10 SANITARY SENSOR SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS

100 PSIG at 130°C

WETTED MATERIALS

Insulator - Teflon

O-rings - EPDM FDA Approved

Metals - 316L SS Standard; Monel, Titanium, Hastelloy C-276 optional.

CELL CONSTANTS

ACS10- 1.0/0.1/0.01

ACS51- 1.0/0.1/0.01

CONNECTIONS:

Sanitary Fitting - 1/2" 2-1/2"

Electrical - 24 gauge stripped and tinned ends.

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			
ACS10 & ACS51 SANITARY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9017	A