

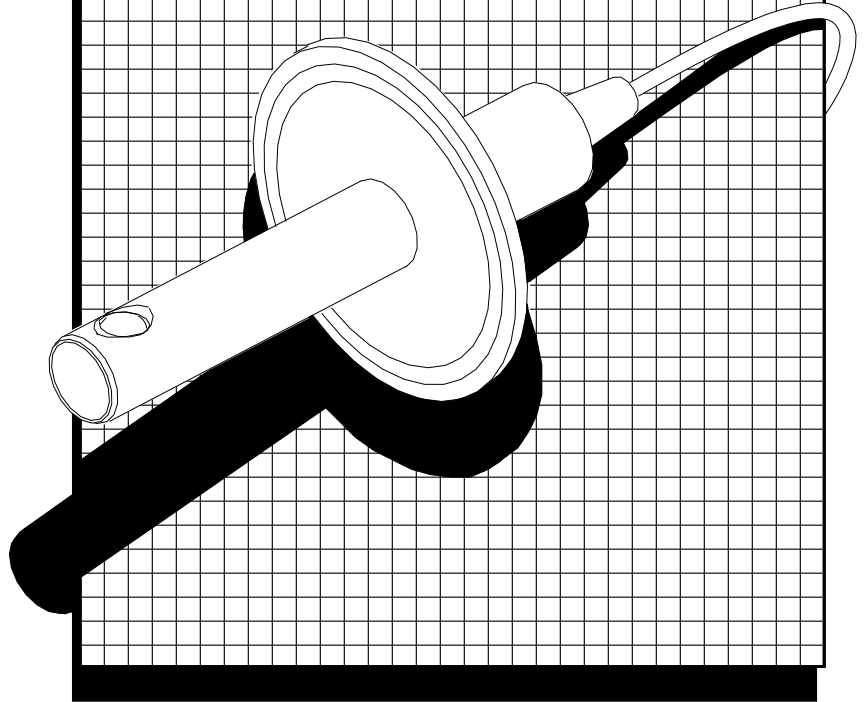


Model ASTXX-TRI CONDUCTIVITY SENSOR

**Designed for insertion
into Ladish or
Tri-Clover fittings**

**O-ring seals used on
all versions for high
on-stream reliability**

**Steam Sterilizable and
CIP capability**

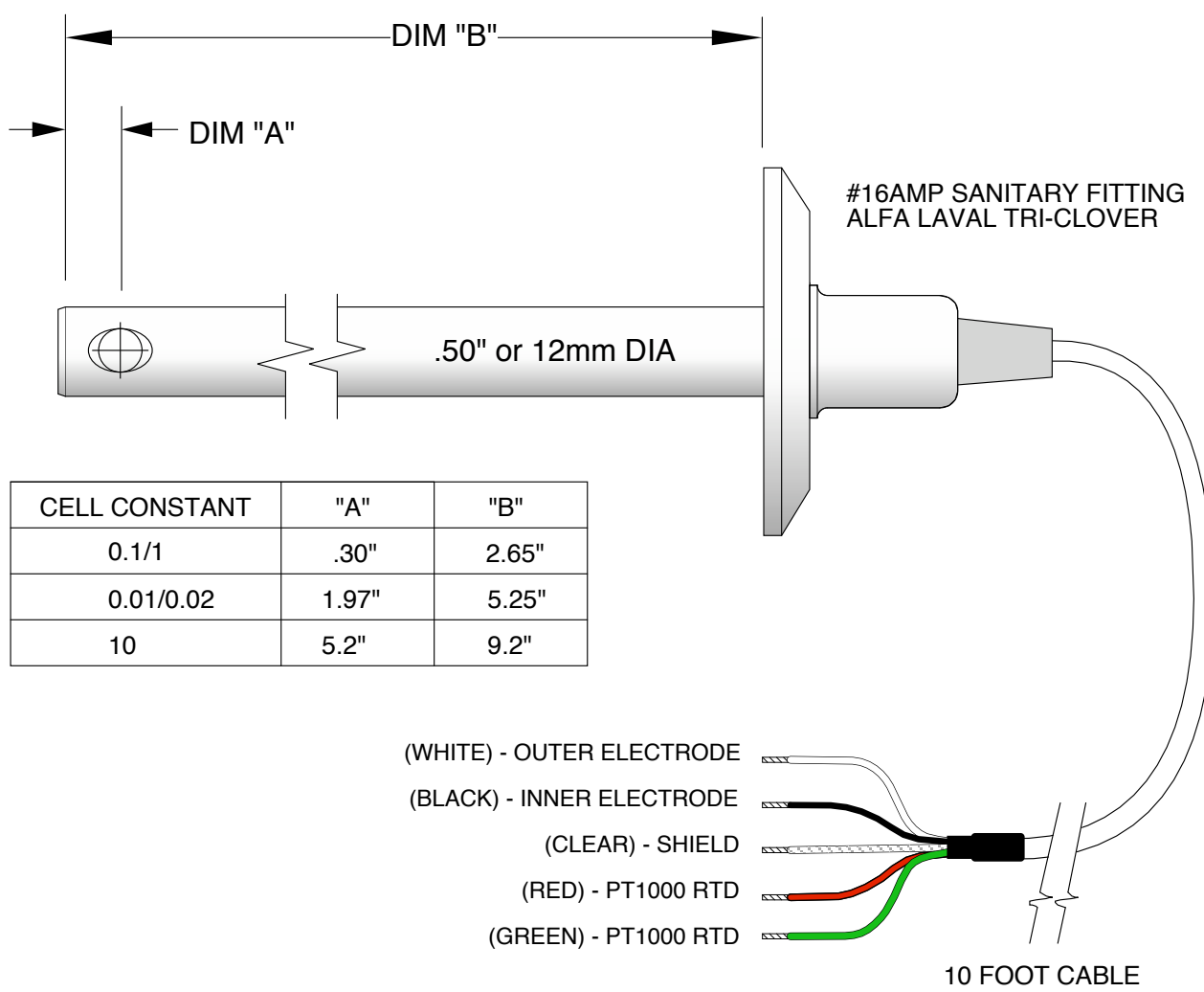


The AST10, AST51 and AST52 sensors are welded to blind flanges of customer specified size, and can then be inserted into standard tee fittings in sanitary systems using fittings by Ladish or Alfa-Laval Tri-Clover.

Physical Description

Wetted materials of construction are 316 stainless steel and Teflon, with double redundant EPR o-ring seals. 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. TC elements are potted in the body itself. Leads are 10' standard.

Process connections are customer specified sanitary flanges. The insertion depth is tailored for each flange size to obtain proper positioning in the standard tee fittings of the given piping system. The sensor is amenable to both steam sterilization, or cleaning by solutions of bleach, ozone, or caustic.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

150 PSIG at 130°C

WETTED MATERIALS:

- Insulator** - Teflon, PTFE, FDA Compliant
- O-rings** - EPDM, FDA Compliant
- Electrodes** - 316SS Standard
- Fitting** - 316SS

CELL CONSTANT:

- AST10-TRI** - 0.1/0.05/0.02/0.01
- AST51-TRI** - 1.0/0.1

CONNECTIONS:

Sanitary Flange 1/2" to 2-1/2"

TEMPERATURE ELEMENT:

10KΩ@25°C/32.66KΩ@0°C NTC is standard. Available options include Pt1000, Pt100, 3K BALCO, 8.55K NTC, Ni100 and many others. Reference the make and model of instrument for assistance in selecting the right element.



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