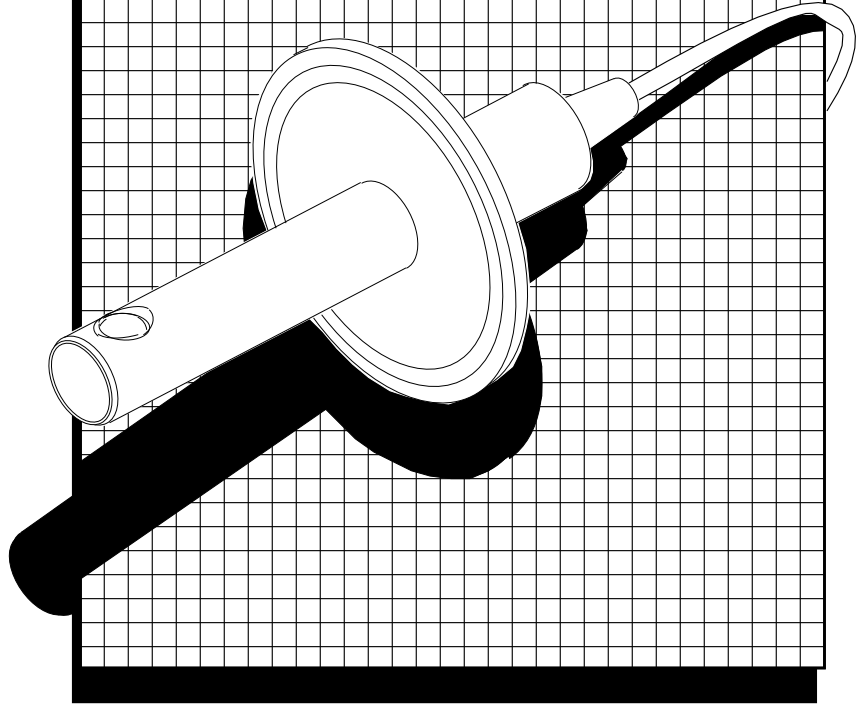




SENSOR DEVELOPMENT, INC.
SANTA ANA, CALIF (714) 836-7090

Model CSxx-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**

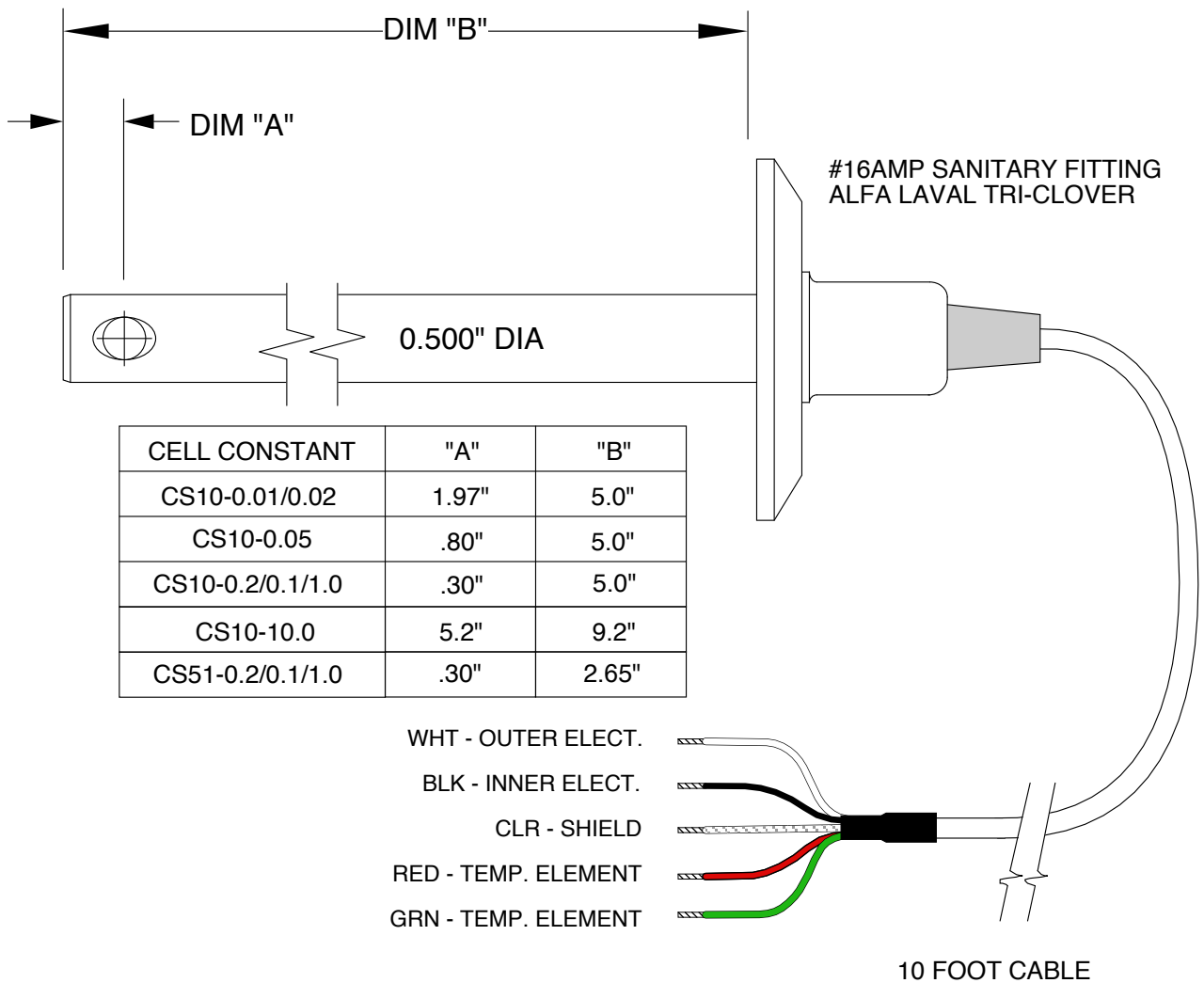


The CS10, CS51 sensors are welded to blind flanges of customer specified size, and can then be inserted into standard tee fittings in sanitary systems using Ladish or Tri-Clover fittings.

Physical Description

Wetted materials of construction are 316L 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. TC elements are potted in the body itself. Leads are 10' standard.

Process connections are Tri-Clamp sanitary flanges of customer specified size. The insertion depth can be modified on request 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.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

100 PSIG at 130°C

WETTED MATERIALS:

Insulator - Teflon
O-rings - EPDM
Electrodes - 316L SS Standard
Fitting - 316L SS
 All materials are FDA Compliant

CELL CONSTANT:

CS10 - 0.2/0.1/0.05/0.02/0.01
CS51 - 0.2/0.1/1.0

CONNECTIONS:

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

Electrical - 24 gauge stripped and tinned ends

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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