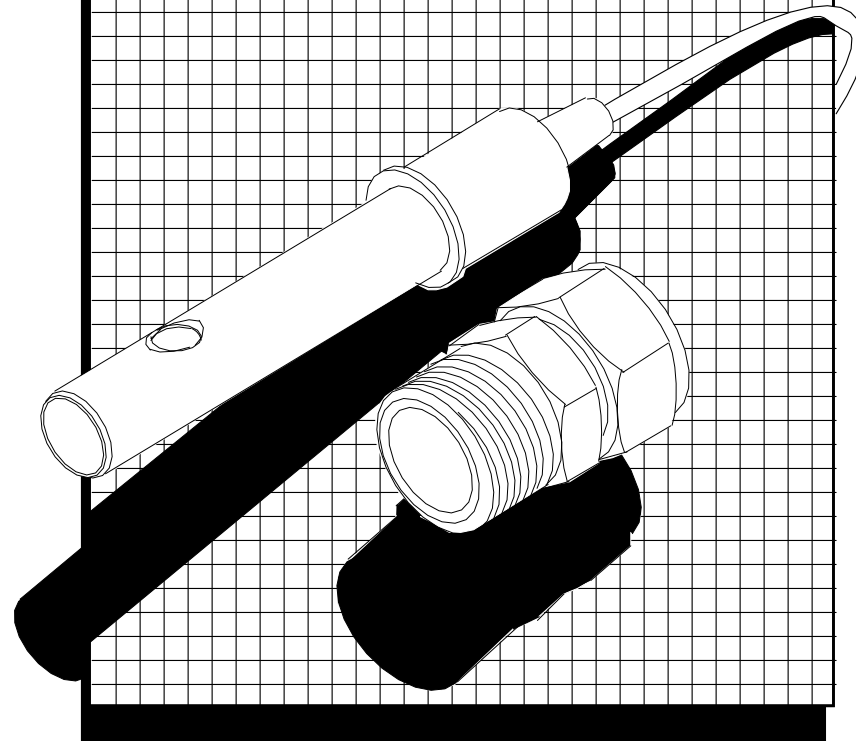




Advanced Sensor Technologies, Inc.
Orange, California USA
Web: www.astisensor.com

Model AST10 & 51 CONDUCTIVITY SENSOR

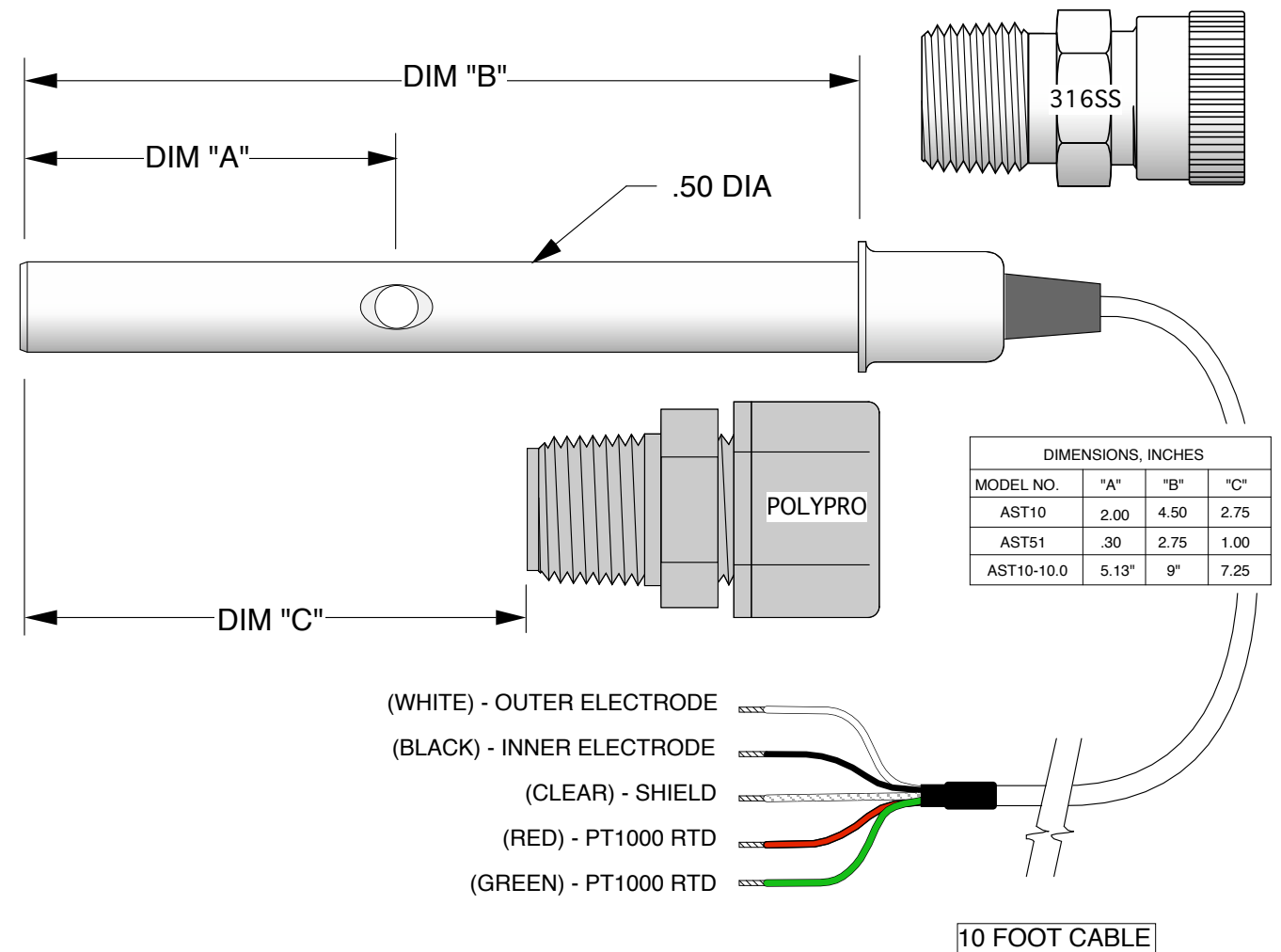
- Small size enables convenient installation and service.
- O-ring seals used on all versions for high on-stream reliability.
- Plastic gland fitting allows removal and replacement without tools.



Application Notes

Wetted materials of construction are 316 stainless steel and Teflon, with double o-ring seals at all points. The outer EPR o-ring bears the brunt of process interface, allowing the back o-ring to maintain reliable sealing free from chemical attack. An integral temperature element, tailored to the analyzer of choice, allows automatic compensation for maximum accuracy. Leads are 10' standard, terminated in spade lugs.

Process connections are made via a bored through swage fitting with 1/2" or 3/4" NPT threads. This fitting can be screwed into a line, or tank, and it can also be turned around and connected to a standpipe for use in a submersion configuration. The AST51 is good for general purpose use up to about 20,000 micromhos on most analyzers, while the AST10 was designed primarily for use in pure water streams at low conductivities.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

100 PSIG at 90°C
200 PSIG at 120°C w/316SS FITTING

CONNECTIONS:

Polypropylene Process Fitting - 1/2" or 3/4" NPT
Stainless Steel Process Fitting - 1/2" NPT

WETTED MATERIALS:

Insulator - Teflon
O-rings - EPDM
Electrodes - 316SS Std., Titanium Opt.
Fitting - Polypropylene, 316SS Optional.

TEMPERATURE ELEMENT: Pt1000 RTD

CELL CONSTANT:

AST10 - 10.0/1.0/0.1/0.05/0.02/0.01
AST51 - 1.0/0.1



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