

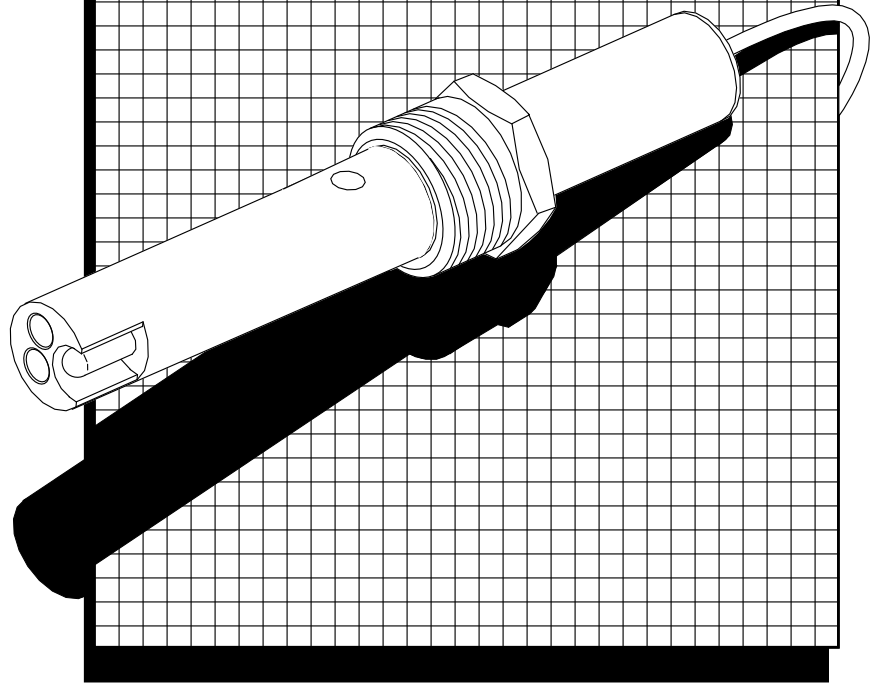


Model AST52 CONDUCTIVITY SENSOR

**Very compact size for
a high cell constant
value**

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

**Thermowell for the
temperature element
gives rapid response**

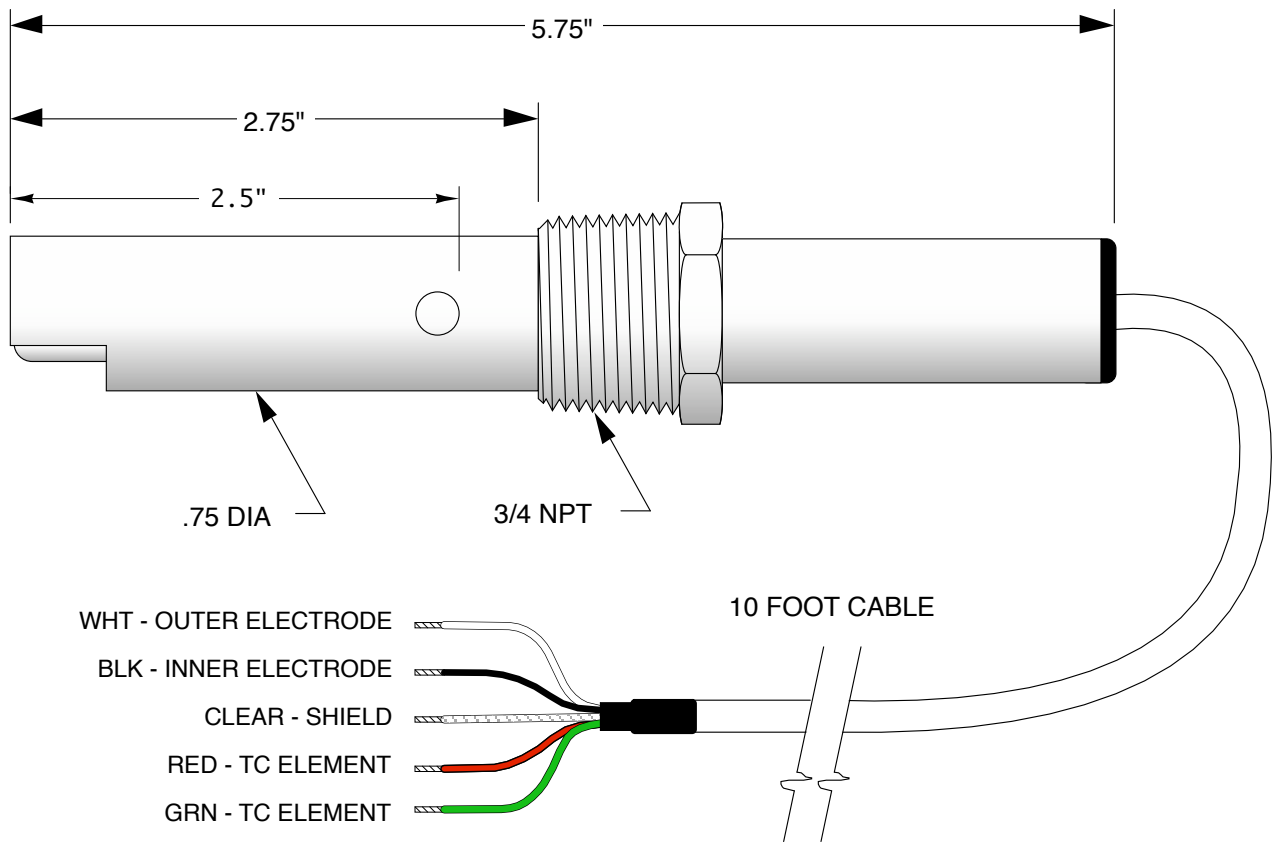


This sensor has a small footprint for its high cell constant of 10.0. Its size and economical pricing make it ideal for use in OEM applications, such as skid mounted R.O. systems, water treatment units, chemical dilutions, and many more.

Application Notes

Wetted materials of construction are 316 stainless steel and CPVC, with double EPDM o-ring seals. The outer o-ring is the only one to touch the process fluid, allowing the backup rear seal to remain free from chemical attack. The thermowell containing the temperature sensing element in its tip is exposed directly to the stream, assuring rapid automatic compensation for maximum accuracy.

Process connections are 3/4" NPT for insertion, and the back portion is 3/4" stainless steel tubing, which can be gripped by a swage fitting for submersion applications. When longer cable runs than the standard ten feet are required, a junction box can be attached to the back of the sensor in the same manner. A Teflon insulator is available as an option to the standard CPVC.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

100 PSIG @ 95° C
500 PSIG @ 50° C

CONNECTIONS:

Process - 3/4" NPT

Electrical - Stripped and tinned 24 gauge

WETTED MATERIALS:

Insulator - CPVC
O-rings - EPDM
Electrodes - 316SS Standard

TEMPERATURE COMPENSATION:

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.

CELL CONSTANT:

10.0



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