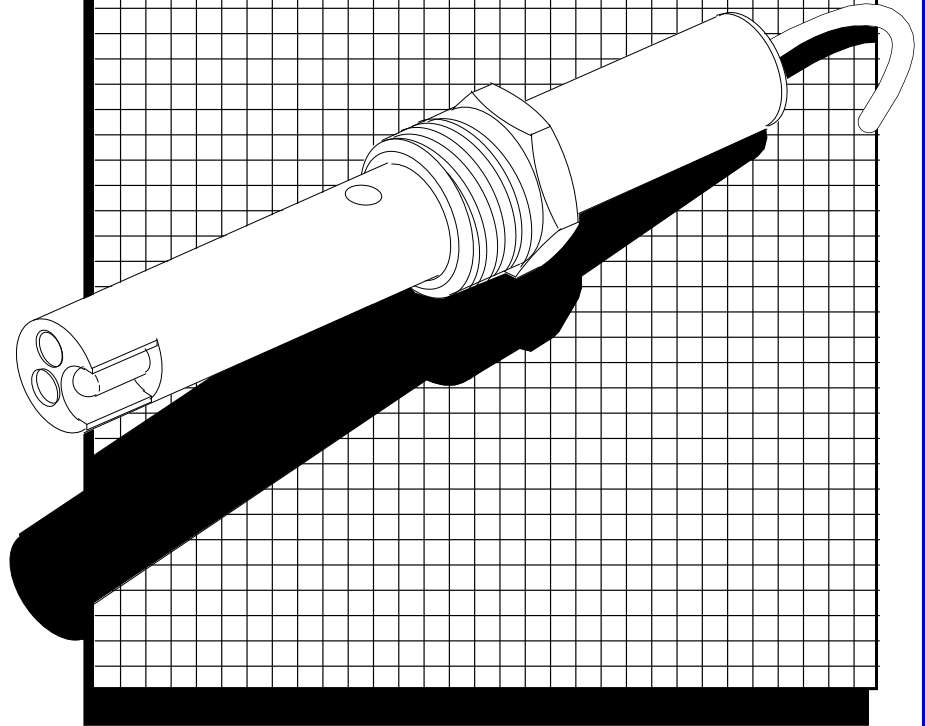




SENSOR DEVELOPMENT, INC.
SANTA ANA, CALIF (714) 836-7090

Model CS52 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**

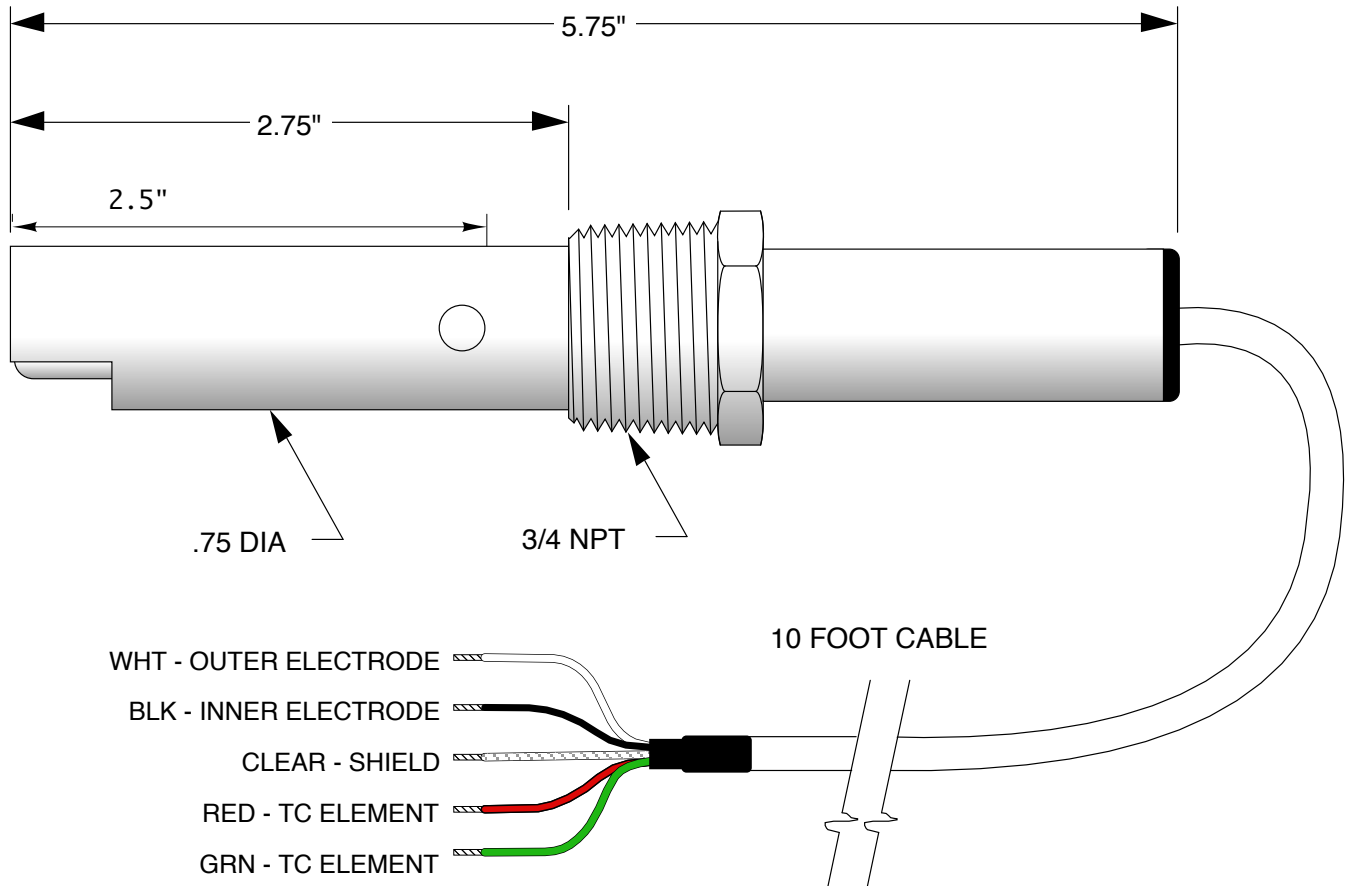


This sensor has a small footprint for its high probe constant of 10.0. Its size and economical pricing make it ideal for use in various OEM applications, such as skid mounted R.O. systems, water treatment units, chemical dilutions, and many more.

Application Notes

Wetted materials of construction are 316 stainless steel and CPVC, with double EPR o-ring seals. The outer o-ring is the only one to touch the process fluid, allowing the rear seal to operate 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 - EPR FDA APPROVED
Electrodes -
316SS

PROBE CONSTANT:

10.0

TEMPERATURE COMPENSATION:

Standard element is 10KΩ @ 25°C, for use with SDI, Uniloc, Myron L, Sensor Technology, Signet, ECD and others. Other TC's available by specifying instrument make and model.



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