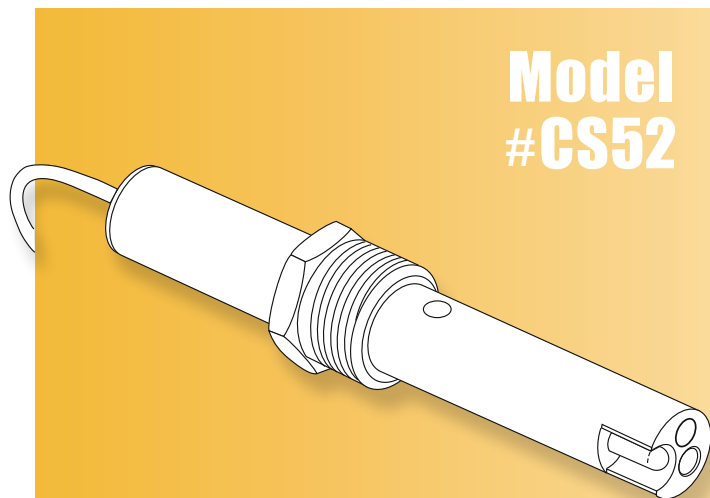


# CONDUCTIVITY SENSOR #CS52

For 750II Conductivity/TDS Monitor/controllers



Model  
#CS52

- *Very compact size for a high probe constant sensor.*
- *Dual O-ring seals used on all versions for high on-stream reliability.*
- *Thermowell for the temperature element assures rapid response.*

## **BENEFITS**

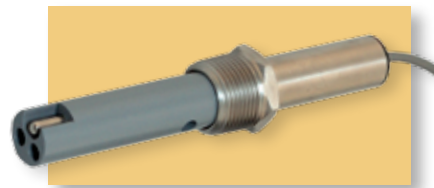
- *Economic Value*
- *Small, Convenient Size*
- *100 psi at 95°C*
- *General Purpose Use*
- *Field Replaceable*

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 mount R.O. systems, water treatment units, chemical dilutions, and many more.

## **DESCRIPTION**

Wetted materials of construction are 316 stainless steel and CPVC, with double EPR O-ring seals. The first O-ring is the only one to touch the process fluid, allowing the second O-ring 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. A Teflon®\* insulator is available as an option to the standard CPVC.



*Conductivity Sensor CS52*

\* Teflon® is a registered trademark of DuPont.

*For more information,  
please visit our website at  
[www.myronl.com](http://www.myronl.com)*

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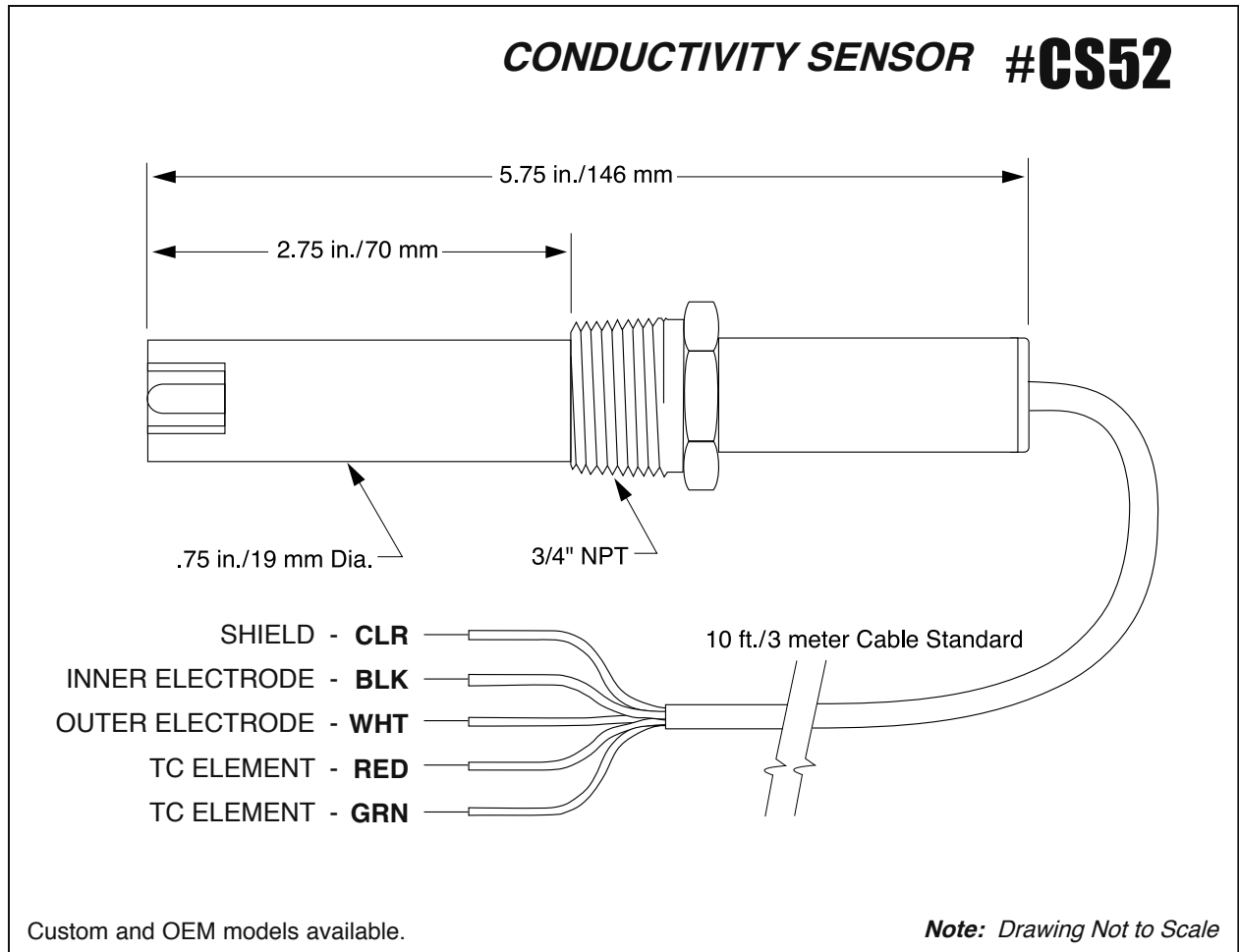
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## SPECIFICATIONS

<b>Maximum Pressure/ Temperature Ratings</b>	100 psi/6,9 bar at 95°C/203°F
<b>Wetted Materials:</b>	
<b>Insulator</b>	CPVC (optional Teflon® or Kynar®†)
<b>O-rings</b>	EPR
<b>Electrodes</b>	316 Stainless Steel standard, optional materials available upon request.

<b>Temperature Compensation</b>	10 KΩ @ 25°C/77°F RT100 & RT1000 available upon request.	
<b>Connections:</b>	<i>3/4" NPT compatible with BSP</i>	
<b>Process</b>	3/4" NPT Standard	
<b>Electrical</b>	Plain tinned wire ends, 22-24 gauge.	
<b>Sensor Constant:</b>		
<b>Model</b>	<b>Range</b>	<b>Constant</b>
CS52	0-50,000 to 0-200,000 μS/ppm	10.0

† Kynar® is a registered trademark of Atochem.



## LIMITED WARRANTY

All Myron L conductivity sensors have a Two (2) Year Limited Warranty. If sensor fails to function normally, return the unit to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge. A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of the sensor only. The Myron L Company assumes no other responsibility or liability.



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