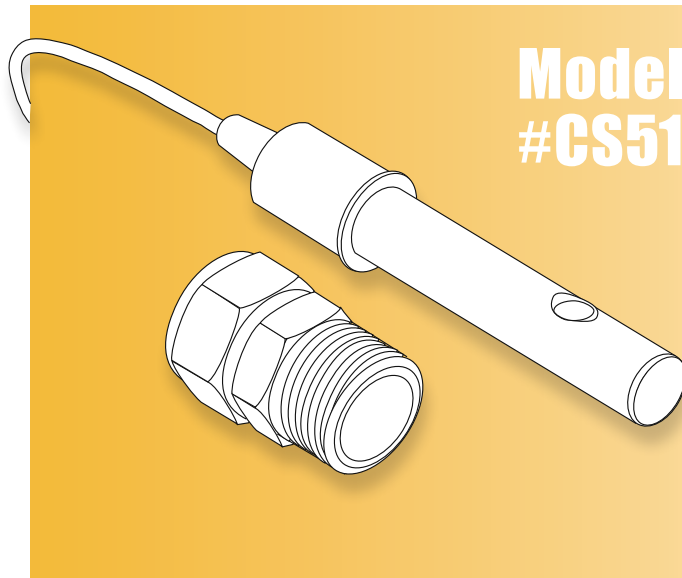


# CONDUCTIVITY SENSOR #CS51

For 750II & CTCII™ Conductivity/TDS Monitor/controllers



Model  
#CS51

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

**MODELS: CS51, CS51LC, CS51LS, and CS51R**

## **BENEFITS**

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

## **DESCRIPTION**

Wetted materials of construction are 316 stainless steel and Teflon®\*, with double O-ring seals at all points. The first EPR O-ring bears the brunt of process interface, allowing

the second O-ring to maintain reliable sealing, free from chemical attack. An integral temperature element allows automatic compensation for maximum accuracy. Leads are 10 ft./3 meters standard.

Process connections are made via a bored through swage 3/4" NPT fitting as standard. This fitting may be installed into a line or tank, or may be reversed and connected to a standpipe for use in a submersion configuration.

The CS51 is ideal for general purpose use up to 20,000  $\mu$ S/ppm.



**Assembled Conductivity Sensor**

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

\* Teflon® is a registered trademark of DuPont.

## SPECIFICATIONS

**Maximum Pressure/  
Temperature Ratings** 100 psi/6,9 bar at 100°C/212°F  
200 psi/13,8 bar at 120°C/248°F  
with 316SS Fitting

**Wetted Materials:**

**Insulator** Teflon®  
**O-rings** EPR  
**Electrodes** 316 Stainless Steel standard, optional materials available upon request.

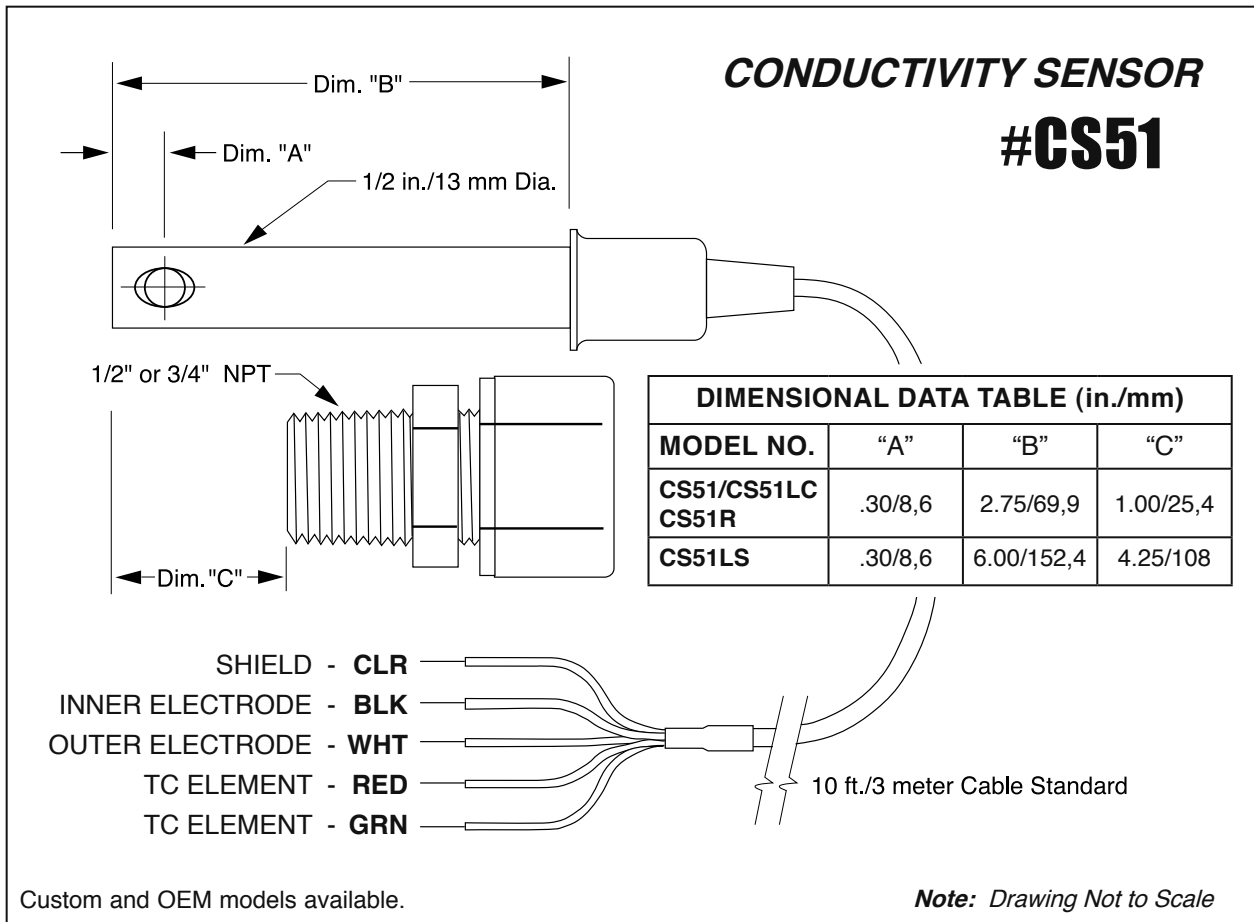
**Fitting** Polypropylene, 316SS optional.

**Temperature Compensation** 700 Series: 10 KΩ @ 25°C/77°F  
CTCII (CS51R): 1000 Ω RTD  
RT100 & RT1000 available upon request.

**Connections:** 1/2" and 3/4" NPT compatible with BSP  
**Polypropylene Process Fitting** 3/4" NPT Standard  
**Options** 1/2" NPT Stainless Steel  
1/2" NPT PVDF  
**Electrical** Plain tinned wire ends, 22-24 gauge.

**Sensor Constant:**

Model	Range	Constant
CS51LC	0-1 to 0-5 μS/ppm	0.1
CS51/CS51LS	0-10 to 0-20,000 μS/ppm	1.0
CS51R	0-10 to 0-20,000 μS/ppm	1.0



## 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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**Built On Trust.** Founded in 1957, the Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

