CONDUCTIVITY SENSOR #CS52
For 750II Conductivity/TDS Monitor/controllers

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.

* Teflon® is a registered trademark of DuPont.

For more information, please visit our website at www.myronl.com

MYRON L COMPANY
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

MADE IN USA
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Maximum Pressure/Temperature Ratings</th>
<th>Temperature Compensation</th>
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</thead>
<tbody>
<tr>
<td>100 psi/6,9 bar at 95°C/203°F</td>
<td>10 KΩ @ 25°C/77°F</td>
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</table>

Temperature Ratings

Wetted Materials:
- Insulator: CPVC (optional Teflon® or Kynar®†)
- O-rings: EPR
- Electrodes: 316 Stainless Steel standard, optional materials available upon request.

Temperature Compensation: RT100 & RT1000 available upon request.

Connections:
- Process: 3/4" NPT Standard
- Electrical: Plain tinned wire ends, 22-24 gauge.

Sensor Constant:

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Constant</th>
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<tbody>
<tr>
<td>CS52</td>
<td>0-50,000 to 0-200,000 µS/ppm</td>
<td>10.0</td>
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† 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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Note: Drawing Not to Scale

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