



# CS675 High-Temp & Pressure Stainless Steel Contacting Conductivity Sensor

### **Ideal for Heavy-Duty Applications**

- Made from 316 Stainless Steel and PEEK
- Robust single-body design

## Multiple Cell Constants, Temperature/ Pressure Ratings, and Insertion Lengths

- Two options for cell constants: 0.1 cm<sup>-1</sup> and 1.0 cm<sup>-1</sup>
- Three options for increasing temperature and pressure ratings
- Two options for insertion lengths: standard and extended

## Ultra-High Temperature Version Ideal for Boiler Applications

Extended Length version shown above.

# **Specifications**

Temperature / Pressure Rating	See ordering matrix.
Wetted Materials	<ul> <li>316 Stainless Steel and PEEK<sup>®</sup> Insulator</li> <li>AFLAS<sup>®</sup> O-ring for 200° C (392° F) and 250 psig</li> <li>Perfluoro O-ring for 250° C (482° F) and 600 psig</li> </ul>
Cell Constants	0.1/cm and 1.0/cm (see ordering information for additional details)
Wire Leads	<ul> <li>PVC-jacketed four-wire cable for option "C" under temperature and pressure rating (see ordering matrix)</li> <li>PFTE-coated wire for options "H" and "J" under temperature and pressure rating (see ordering matrix)</li> </ul>
Wire Designations	<ul> <li>Red = Body</li> <li>Black = Center Pin</li> <li>Green/White = Temperature (if applicable)</li> </ul>

**PEEK** is a registered trademark of Victrex Manufacturing Ltd. **AFLAS** is a registered trademark of Asahi Glass Company.



Standard Length version shown above.

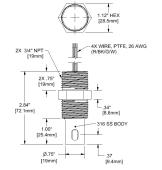
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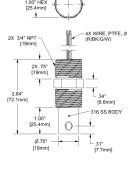
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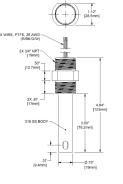
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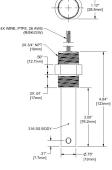


# CS675 High-Temp & Pressure Stainless Steel Contacting Conductivity Sensor









#### MODEL # CS675

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• 1 d/m       C </td <td></td>											
<ul> <li>No sciencing</li> <li>No sc</li></ul>	• 1.0/cm	с	0								
<pre>- PTIO RTD - Custom Modification (customer-specified) - * (Tis Zamer) Wire = * Studied Twe Wey Calls. Out compatible with "P" under Temperature Compatible - * (Tis Zamer) Wire = * Studied Twe Wey Calls. Out compatible with "P" under Temperature Compatible - * (Tis Zamer) Wire = * Studied Twe Wey Calls. Not compatible with "P" under Temperature Compatible - * (Tis Zamer) Wire = * * * * * * * * * * * * * * * * * *</pre>	TEMPERATURE COMPENSATION										
• ° (15.24 cm) Wires • • • • • • • • • • • • • • • • • • •	• PT1000 RTD • PT100 RTD	1 2	0—								
• 1 of c cable (sm) •   • 2 of c c cable (sm) •   • 2 of c c c cable (sm) •   • 2 of c c c cable (sm) •   • 2 of c c c c c c c c c c c c c c c c c c	CABLE LENGTH										
<ul> <li>3-34. Cable (10m) • Studied Law We Cable. Obj compatible with "A" under Tamperature Compansation. • (15.24 cable (2))</li> <li>- (15.24 cable (2))<!--</td--><td>• 10-ft. Cable (3m) •</td><td>BC</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></li></ul>	• 10-ft. Cable (3m) •	BC									
• 1-0-fr. Cable (3m) e   • 2-3-fr. Cable e   • 3-3-fr. Cable e   • 3-3-fr. Cable e   • Custom Modification (customer-specified)	• 33-ft. Cable (10m) • Standard Two-Wire Cable. Only compatible with "N" under Temperature Compensation.	BE DA	0—								
<ul> <li>Set Carton Modification (customer-specified)</li> <li>CARLE TERMINATION CONNECTOR         <ul> <li>Timed Laads</li> <li>Custom Modification (customer-specified)</li> <li>M</li> </ul> </li> <li>REANDING             <ul> <li>Sensorex-Branded</li> <li>No finanding</li> <li>Custom Modification (customer-specified)</li> <li>A g</li> <li>Custom Modification (customer-specified)</li> </ul> </li> <li>REANDING                 <ul> <li>Sensorex-Branded</li> <li>No finanding</li> <li>Custom Modification (customer-specified)</li> <li>Sensorex-Branded</li> <li>No finanding</li> <li>Custom Modification (customer-specified)</li> <li>Sensorex-Branded</li> <li>Sensorex-Branded</li></ul></li></ul>	• 10-ft. Cable (3m) • • 20-ft. Cable •	DD									
<ul> <li>Timed Leads</li> <li>Custom Modification (customer-specified)</li> <li>Sensorze-R-anded</li> <li>Sonsorze-R-anded</li> <li>No Branding</li> <li>Custom Modification (customer-specified)</li> <li>FITTING MATERIAL</li> <li>*W" NPT Stainless Steel</li> <li>Custom Stainless Steel</li> <li>Custom Colling (22 - 212° F) and 0 - 200 psig</li> <li>0 - 200° C (32 - 432° F) and 0 - 200 psig (not available with cable options "BA" to BE")</li> <li>0 - 200° C (32 - 432° F) and 0 - 500 psig (not available with cable options "BA" to BE")</li> <li>Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> <li>Standard Length for 1.0 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> </ul>											
	CABLE TERMINATION CONNECTOR										
<ul> <li>Sensorax-Branded</li> <li>No Branding</li> <li>Custom Modification (customer-specified)</li> <li>FITING MATERIAL</li> <li>*Wr NPT Stainless Steel</li> <li>TEMPERATURE AND PRESSURE RATING</li> <li>0 - 100° C (32 - 212° F) and 0 - 200 psig 0 - 200° C (32 - 482° F) and 0 - 600 psig (not available with cable options "BA" to BE") • 0 - 200° C (32 - 482° F) and 0 - 600 psig (not available with cable options "BA" to BE")</li> <li>Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> <li>Standard Length for 10. Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> </ul>			0—								
• No Branding       B         • Custom Modification (customer-specified)       M         FITTING MATERIAL       5         • ¾" NPT Stainless Steel       5         TEMPERATURE AND PRESSURE RATING       5         • 0 - 100° C (32 - 212° F) and 0 - 200 psig       6         • 0 - 200° C (32 - 392° F) and 0 - 200 psig       6         • 0 - 200° C (32 - 392° F) and 0 - 200 psig (only available with cable options "BA" to BE")       C         • 0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")       C         • NERETION LENGTH       -       -         • Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)       1         • Standard Length for 1.0 Cell Constant       1         • Standard Length for 1.0 Cell Constant       2         • Standard Length for 1.0 Cell Constant	BRANDING										
FITTING MATERIAL         •¾" NPT Stainless Steel         5         TEMPERATURE AND PRESSURE RATING         •0 - 100° C (32 - 212° F) and 0 - 200 psig         •0 - 200° C (32 - 392° F) and 0 - 250 psig (not available with cable options "BA" to BE")         •0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")         INSERTION LENGTH         • Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)         • Standard Length for 1.0 cell Constant         • Standard Length for 1 available with "J" option under Temperature and Pressure Rating)	• No Branding	в	0—								
<ul> <li>*/" NPT Stainless Steel</li> <li>5</li> <li>TEMPERATURE AND PRESSURE RATING</li> <li>0 - 100° C (32 - 212° F) and 0 - 200 psig</li> <li>0 - 200° C (32 - 392° F) and 0 - 250 psig (not available with cable options "BA" to BE")</li> <li>0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")</li> <li>0 - 250° C (32 - 482° F) and 0 - 600 psig (only available with "J" option under Temperature and Pressure Rating)</li> <li>Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> <li>Standard Length for 1.0 Cell Constant ("Constant Pressure Rating)</li> </ul>	Custom Modification (customer-specified)	Μ									
TEMPERATURE AND PRESSURE RATING         • 0 - 100° C (32 - 212° F) and 0 - 200 psig         • 0 - 200° C (32 - 392° F) and 0 - 250 psig (not available with cable options "BA" to BE")         • 0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")         • 0 - 250° C (32 - 482° F) and 0 - 600 psig (only available with "J" option under Temperature and Pressure Rating)         • Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)         • Standard Length for 1.0 Cell Constant         • Extended Length for 1.0 Cell Constant         • Standard Length for 1.0 C			~								
<ul> <li>0 - 100° C (32 - 212° F) and 0 - 200 psig</li> <li>0 - 200° C (32 - 392° F) and 0 - 250 psig (not available with cable options "BA" to BE")</li> <li>0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")</li> <li>INSERTION LENGTH</li> <li>Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> <li>Standard Length for 1.0 Cell Constant</li> <li>Extended Length for variable with "J" option under Temperature and Pressure Rating)</li> <li>Textended Length for variable with "J" option under Temperature and Pressure Rating)</li> </ul>	• ¼" NPT Stainless Steel	5	0—						_		
<ul> <li>• 0 - 200° C (32 - 392° F) and 0 - 250 psig (not available with cable options "BA" to BE")</li> <li>• 0 - 250° C (32 - 482° F) and 0 - 600 psig (only available for Cell Constant "C" and not compatible with cable options "BA" to "BE")</li> <li>INSERTION LENGTH</li> <li>• Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)</li> <li>• Extended Length (not available with "J" option under Temperature and Pressure Rating)</li> <li>• Extended Length (not available with "J" option under Temperature and Pressure Rating)</li> </ul>											
Standard Length for 0.1 Cell Constant (not available with "J" option under Temperature and Pressure Rating)     Standard Length for 1.0 Cell Constant     Extended Length (not available with "J" option under Temperature and Pressure Rating)     Standard Length (not available with "J" option under Temperature and Pressure Rating)	<ul> <li>0 – 200° C (32 - 392° F) and 0 – 250 psig (not available with cable options "BA" to BE")</li> <li>0 – 250° C (32 - 482° F) and 0 – 600 psig (only available for Cell Constant "C" and not compatible with cable</li> </ul>		0—								
Standard Length for 1.0 Cell Constant     Extended Length (not available with "J" option under Temperature and Pressure Rating)	INSERTION LENGTH										
Custom Modification (customer-specified)	<ul> <li>Standard Length for 1.0 Cell Constant</li> <li>Extended Length (not available with "J" option under Temperature and Pressure Rating)</li> </ul>	2	0—								

For example, choosing "0.1/cm" under Cell Constant would be **B**, "PT1000 RTD" for Temperature Compensation would be **1**, "10 feet (3m)" with the blue option of "Standard 4-Wire Cable" under Cable Length would be **BC**, "Tinned Leads" under Cable Termination Connector would be **3**, "Sensorex-Branded" under Branding would be **A**, "3/4" NPT Stainless Steel" under Installation/Fitting Type would be **5**, and "0 - 100° C (32 - 212° F) and 0 - 200 psig" under Temperature and Pressure Rating would be **C**. The order code would then be "**CS675 - B - 1 - BC - 3 - A - 5 - C**".

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