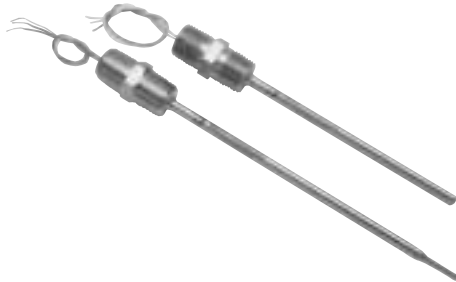


## Models 201 & 203 RTDs with Welded Fittings

Designed for Direct Immersion applications where a male fitting is required for mounting, for use in tanks, stacks, pressure vessels and similar applications. Sensors are supplied with a threaded hex fitting which is welded to the sheath of the RTD providing a pressure seal for process applications where pressure and flow are moderate.

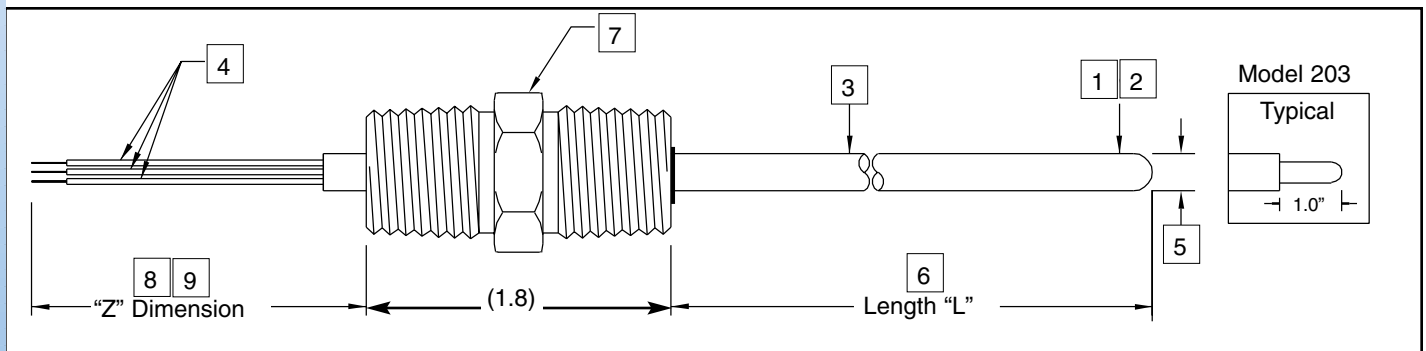


### Model 201

- Refer to Model 101 if mounting fitting is not required.
- Refer to 300 Series if spring loading is required for thermowell applications.

### Model 203 Reduced Tip/Fast Response

- Refer to Model 103 if mounting fitting is not required.



### Specifications:

1. Model	Base Model/Series Number				
2. A. Accuracy:	<i>Standard</i> Class B (no code) <i>High</i> Class A (code H) <i>Special</i> Customer Specified (code S) * Industry Standard is DIN Curve (code 01B), Platinum, 100 @ 0°C. Conforms to IEC 751.				
B. TCR:	Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.				
C. Ice Point Resistance:	R <sub>0</sub> - Resistance at 0°C (32°F)				
D. Response Time :	Dependent on sheath diameter, the smaller the diameter - the faster the response. See RTD General Specs.				
3. Construction:	Code A - 316SS tube and wire construction, thin film element (.00385055) TCR, teflon insulated lead wire. Code C - 316SS tube and wire construction, wire wound element, fiberglass insulated lead wire. Code B & D - Inconel sheathed MgO construction, wire wound element, fiberglass insulated lead wire.				
4. Lead Wires:	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">3 - Wire </td> <td style="text-align: center;">4 - Wire </td> <td style="text-align: center;">6 - Wire (Dual 3 - Wire) </td> <td style="text-align: center;">8 - Wire (Dual 4 - Wire) </td> </tr> </table>	3 - Wire 	4 - Wire 	6 - Wire (Dual 3 - Wire) 	8 - Wire (Dual 4 - Wire) 
3 - Wire 	4 - Wire 	6 - Wire (Dual 3 - Wire) 	8 - Wire (Dual 4 - Wire) 		
5. Sheath Diameter:	.250" (1/4") is industry standard. Code C/N for reduced tip design.				
6. Sheath Length:	Length from bottom of fitting to tip of sensor.				
7. Welded Fitting:	Specify fitting size and style that suits application.				
8. Lead Wire Length:	Length of wire beyond the sheath.				
9. Lead Wire Protection:	Stainless Steel Overbraid or Stainless Steel Armor. Order length at 3-6" shorter than lead wire length. Example: Z024-X020				
10. Water resistant:	Increases moisture protection for humid environments.				



Rev. 0204

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Model	Description	
201	RTD with Welded Fitting	
203	Reduced Tip/Fast Response RTD with Welded Fitting	
<b>1</b>	<b>Code</b> <b>R<sub>0</sub> &amp; Temperature Coefficient</b>	
	01B <b>100 ohm Platinum</b> .00385055      TCR <b>100 ohms @ 0° C - Industry Standard</b>	
	01A      100 ohm Platinum      .003902      TCR      100 ohms @ 0° C	
	10A      1000 ohm Platinum      .003902      TCR      1000 ohms @ 0° C	
	10B      1000 ohm Platinum      .00385055      TCR      1000 ohms @ 0° C	
	12N      120 ohm Nickel      .00672      TCR      120 ohms @ 0° C	
	09C      10 ohm Copper (9.035)      .004274      TCR      10 ohms @ 25° C	
	Add Code "H" for higher accuracy Add Code "S" for special accuracy Add Code "M_", ME for matched to element, MT for matched to transmitter, MP for two matched probes.	
	<b>2</b>	<b>Code</b> <b>Construction Temperature Limit</b>
		A      500° F Maximum
C      900° F Maximum (Platinum Only)		
D      1200° F Maximum (Platinum Only)		
<b>3</b>	<b>Code</b> <b>Number of lead Wires</b> <b>For Models</b>	
	2      2-Wire (No lead Compensation)      All	
	3      3 Wire (Lead Compensation)      All	
	4      4-Wire (Complete Compensation)      All	
	6      Dual 3-Wire (With dual element)      201	
8      Dual 4-Wire (With dual element)      201		
<b>4</b>	<b>Code</b> <b>Sheath Diameter</b> <b>For Models</b>	
	A      .125" (1/8") Diameter      201	
	B      .187" (3/16") Diameter      201	
	C      .250" (1/4") Diameter      201	
	C/N      .250" (1/4") Dia. Sheath/.156" Dia. Tip      203	
Other      Consult factory		
<b>5</b>	<b>Code</b> <b>Sheath Length</b>	
	XXX.X      Specify length to nearest 0.1"	
<b>6</b>	<b>Code</b> <b>Welded Fittings (Stainless Steel)</b>	
	A1      1/4" NPT Hex Nipple	
	A2      1/2" NPT Hex Nipple	
	A3      1/8" NPT Hex Nipple	
	A4      3/4" NPT Hex Nipple	
	B1      1/4" NPT Hex Plug (threads toward tip)	
	B2      1/2" NPT Hex Plug (threads toward tip)	
	B3      1/8" NPT Hex Plug (threads toward tip)	
	B4      3/4" NPT Hex Plug (threads toward tip)	
C1      1/4" NPT Hex Plug (threads toward leads)		
C2      1/2" NPT Hex Plug (threads toward leads)		
C3      1/8" NPT Hex Plug (threads toward leads)		
C4      3/4" NPT Hex Plug (threads toward leads)		
<b>7</b>	<b>Code</b> <b>Lead Wire Length</b>	
	Z006      6" - Standard with head	
	Z024      24" - Standard without head	
ZXXX      Other - consult factory		
<b>8</b>	<b>Code</b> <b>Lead Wire Protection</b>	
	X__      Stainless steel overbraid - (specify inches)	
	Y__      Stainless steel armor - (specify inches)	
Other      Consult factory		
<b>9</b>	<b>Code</b> <b>Option</b>	
	W      Water Resistant	
<b>10</b>		

201	-	01B	-	A	-	3	-	C	-	012.0	-	A2	-	Z024	-	X020	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sample Model Number  
Your Model Number

