

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.

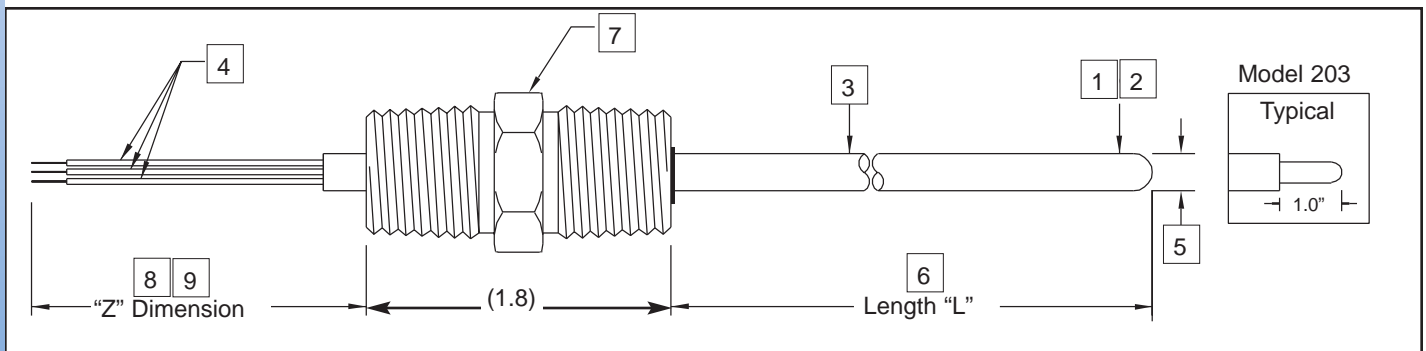


Model 201

- 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 ₀ - 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 style="width: 100%; text-align: center;"> <tr> <td style="width: 25%;">3 - Wire</td> <td style="width: 25%;">4 - Wire</td> <td style="width: 25%;">6 - Wire (Dual 3 - Wire)</td> <td style="width: 25%;">8 - Wire (Dual 4 - Wire)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	3 - Wire	4 - Wire	6 - Wire (Dual 3 - Wire)	8 - Wire (Dual 4 - Wire)				
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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.								

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