**STANDARD PLATINUM RTD ASSEMBLIES** - Pyromation standard RTD assemblies are constructed using platinum elements with a reference resistance of 100 ohms at 0 °C, a temperature coefficient 0.003 85 °C⁻¹ and which are in accordance with the following standards:

1. International Standard, IEC 60751  
2. American Standard, ASTM E1137

<table>
<thead>
<tr>
<th>TEMPERATURE</th>
<th>IEC CLASS B&lt;sup&gt;[1]&lt;/sup&gt; (RBF) ± (0.12% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
<th>ASTM GRADE B&lt;sup&gt;[1]&lt;/sup&gt; (RIT) ± (0.1% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
<th>IEC CLASS A&lt;sup&gt;[1]&lt;/sup&gt; (RAT) ± (0.06% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
<th>IEC CLASS AA&lt;sup&gt;[1]&lt;/sup&gt; (RAF) ± (0.06% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
<th>IEC CLASS AA&lt;sup&gt;[1]&lt;/sup&gt; (R3T) ± (0.04% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
<th>(1/5) IEC CLASS B&lt;sup&gt;[2]&lt;/sup&gt; (R5T) ± (0.02% × R&lt;sub&gt;0&lt;/sub&gt;) Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>°C</td>
<td>°F</td>
<td>°C</td>
<td>°F</td>
<td>°C</td>
<td>°F</td>
<td>°C</td>
</tr>
<tr>
<td>-200</td>
<td>-328</td>
<td>1.09</td>
<td>[1.96]</td>
<td>0.67</td>
<td>[1.21]</td>
<td>0.35</td>
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<tr>
<td>-100</td>
<td>-148</td>
<td>0.67</td>
<td>[1.21]</td>
<td>0.35</td>
<td>[0.63]</td>
<td>0.19</td>
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<td>-50</td>
<td>-58</td>
<td>0.55</td>
<td>[0.99]</td>
<td>0.46</td>
<td>[0.83]</td>
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<tr>
<td>-30</td>
<td>-22</td>
<td>0.45</td>
<td>[0.77]</td>
<td>0.38</td>
<td>[0.64]</td>
<td>0.21</td>
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<tr>
<td>0</td>
<td>32</td>
<td>0.30</td>
<td>[0.54]</td>
<td>0.25</td>
<td>[0.45]</td>
<td>0.15</td>
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<tr>
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<td>212</td>
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<td>[1.44]</td>
<td>0.67</td>
<td>[1.21]</td>
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<tr>
<td>150</td>
<td>302</td>
<td>1.05</td>
<td>[1.89]</td>
<td>0.88</td>
<td>[1.58]</td>
<td>0.45</td>
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<tr>
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<td>392</td>
<td>1.30</td>
<td>[2.34]</td>
<td>1.09</td>
<td>[1.96]</td>
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<td>250</td>
<td>482</td>
<td>1.55</td>
<td>[2.79]</td>
<td>1.30</td>
<td>[2.34]</td>
<td>0.65</td>
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<tr>
<td>300</td>
<td>572</td>
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<td>[3.24]</td>
<td>1.51</td>
<td>[2.72]</td>
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<td>[4.14]</td>
<td>1.93</td>
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<td>[4.59]</td>
<td>2.14</td>
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<tr>
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<td>2.77</td>
<td>[4.99]</td>
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</tbody>
</table>

Where: |t| = value of temperature without regard to sign, °C  
[1] The equations represent values for 3- and 4-wire PRTs. Caution must be exercised with 2-wire PRTs due to lead resistance.  
[2] This tolerance can only be met with a 4-wire PRT. If a 3-wire construction is specified, the guaranteed tolerance will be downgraded to the highest possible accuracy based on the temperature range as listed in the above table.