High Temperature Ceramic Type R/S Thermocouple

Description
A range of type R & S platinum, high temperature ceramic thermocouples, for use in industrial environments.

This range of platinum sensors is ideal for high temperature applications and are rated to 1600°C. They are available in type R or S thermocouple calibration, with Class 1 accuracy.

The assembly features a non-porous recrystallised alumina protection sheath with a diameter of 15mm. This has a higher operating temperature than an aluminous sheath and greater resistance to thermal, chemical and physical shock. The stainless steel support tube is 21.3mm diameter (1/2” SCH 40) and 100mm long as standard.

Available in three standard lengths of 300mm, 500mm or 1000mm below an IP68 KNE weatherproof terminal head housing a ceramic terminal block.

Many options are available such as; alternative lengths, diameters, ceramic materials, as well as duplex elements.

Features
- Type R or S thermocouple
- Class 1 accuracy
- Recrystallised alumina sheath
- Interchangeable insert
- Duplex options

Specification

<table>
<thead>
<tr>
<th>Product</th>
<th>High Temperature Ceramic Thermocouple</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td>R or S</td>
</tr>
<tr>
<td>Temp Range</td>
<td>0 to 1600 °C</td>
</tr>
<tr>
<td>Length</td>
<td>300, 500 or 1000mm</td>
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<tr>
<td>Ceramic Dia Ø</td>
<td>15mm</td>
</tr>
<tr>
<td>Wire Dia Ø</td>
<td>0.45mm</td>
</tr>
<tr>
<td>Material</td>
<td>Recrystallised Alumina (Alsint)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Class 1</td>
</tr>
<tr>
<td>Part Number</td>
<td>TFHTC</td>
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</tbody>
</table>

Application
- Furnaces
- Kilns & Incinerators
- Industrial Ovens

For more information visit: sterlingsensors.co.uk

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Looking for a quote?
Our technical sales engineers will discuss your application and provide a quotation.