The miniature sensors are designed to measure the critical temperature of equipment such as sleeve bearings, thrust bearings, bearing shoes, and various other bearings where temperature is critical to performance. These types of bearings are generally used in the operation of high-speed rotating equipment such as compressors, generators, and turbines. The sensors are typically imbedded or installed beneath the Babbitt layer of the bearing to monitor the temperature, allowing early warning of the breakdown of the lubricants. This early warning allows preventative maintenance to take place before major problems occur.

### Configuration Code BS01

**Miniature RTD Sensors**

1. **100 Ω Platinum RTD Elements (-40 to 204 °C)**
   - **SENSOR TYPE**
   - **CODE**
   - **DESCRIPTION**
   - **TOLERANCE**
   - **TEMPERATURE COEFFICIENT**
   - **α = 0.003 85 °C⁻¹**
   - **β = 0.000 004 °C⁻³**

2. **Extension Leadwire Type**
   - **CODE**
   - **DESCRIPTION**
   - **T3J** Fluoropolymer insulation-individual leads-stranded conductor
   - **T3** Fluoropolymer insulation-stranded conductor
   - **T3B** Fluoropolymer insulation-stranded conductor-stainless steel overbraid
   - **T3BT** Fluoropolymer insulation-stranded conductor-stainless steel overbraid-fluoropolymer outer jacket

3. **Termination**
   - **CODE**
   - **DESCRIPTION**
   - **0** No Termination
   - **2** 2" split leads 1/4" strip
   - **3** 2" split leads with spade lugs

### ORDER CODES

**Example Order Number:**

- **0** ATEX Certification
- **1** Case Options
- **3** Sealing Options
- **2** Case Options
- **BST**
- **3P02(1/2),24**
- **T3120**

**ORDER CODES:**

- **0** ATEX Certification
- **1** Case Options
- **3** Sealing Options
- **2** Case Options
- **BST**
- **3P02(1/2),24**
- **T3120**

**0** ATEX Certification

**1-1** Element Connection

**2** Case Options

**3** Sealing Options

**4** Extension Leadwire Type

**5** Termination

### WIRE TYPE

<table>
<thead>
<tr>
<th>WIRE TYPE</th>
<th>CASE STYLE A</th>
<th>CASE STYLE B</th>
<th>CASE STYLE C</th>
<th>CASE STYLE D</th>
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<tbody>
<tr>
<td><strong>CODE</strong></td>
<td><strong>DESCRIPTION</strong></td>
<td><strong>TOLERANCE</strong></td>
<td><strong>TOLERANCE</strong></td>
<td><strong>TOLERANCE</strong></td>
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<tr>
<td>T3J</td>
<td>Fluoropolymer insulation-individual leads-stranded conductor</td>
<td>2- or 3-wire 24 AWG</td>
<td>2- or 3-wire 28 AWG</td>
<td>2- or 3-wire 24 AWG</td>
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<tr>
<td>T3</td>
<td>Fluoropolymer insulation-stranded conductor</td>
<td>2- or 3-wire 24 AWG</td>
<td>2- or 3-wire 28 AWG</td>
<td>2- or 3-wire 24 AWG</td>
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<tr>
<td>T3B</td>
<td>Fluoropolymer insulation-stranded conductor-stainless steel overbraid</td>
<td>2- or 3-wire 24 AWG</td>
<td>2- or 3-wire 28 AWG</td>
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</tr>
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</table>

**[1]** Refer to page SP-11 for case style dimensions.