

| PENETRATION RTD PROBE WITH HANDLE<br>Sheath - stainless steel (see table notes)<br>Cable and handle - see table notes | TSIx  | SENSITIVE ELEMENT | TEMPERATURE RANGE | DIMENSIONS |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
|---|---|-------------------|-------------------|------------|----------|-------|------------|------|-------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|-------|---|--------------|
|   |   |                   |                   | d [mm]     | wires    |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| <p><b>DESIGN WITH SILICONE HANDLE (TSI1)</b></p>  | 1 x Pt<br>(RB,RD,RF,RG)   | T9                | -50...200 °C      | 4, 5       | 2, 3*    |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
|   |   |                   |                   | 6          | 2, 3, 4* |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
|   |   |                   |                   | 8          | 2, 3, 4  |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| <p><b>DESIGN WITH PLASTIC HANDLE (TSI2)</b></p>   | 2 x Pt<br>(RB,RD,RF,RG)   | T9                | -50...200 °C      | 5, 6       | 2x2      |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
|   |   |                   |                   | 8          | 2, 3*    |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| <p><b>DESIGN WITH ROBUST METAL HANDLE (TSI3)</b></p>  | <p><b>Sheath material:</b><br/>1.4301 (M1), 1.4541 (M2), 1.4571 (M3), 1.4404 (M9)</p> <p><b>Cable type:</b><br/>- SLSL or TSL (silicone, max. 250 °C ambient temperature)<br/>- TT (Teflon®, max. 250 °C ambient temperature)</p> <p><b>Accuracy class:</b><br/>'A', 'B', or '2xB' (see Appendix - RTD Tolerance)</p> <p><b>Handle type:</b><br/>- silicone (TSI1)<br/>- glass-filled plastic (TSI2)<br/>- stainless steel 1.4301 (TSI3)</p> <p><b>Filling:</b><br/>thermal conductive paste</p> <p><b>Cable connector:</b><br/>4-pin (C3) (see Appendix - Connectors)</p> <p><b>Dimension limits:</b></p> <table border="1"> <thead> <tr> <th>Model</th> <th>TSI1, TSI2</th> <th>TSI3</th> </tr> </thead> <tbody> <tr> <td>d = 4</td> <td>n = 50...200</td> <td>n = 50...200</td> </tr> <tr> <td>d = 5</td> <td>n = 50...300</td> <td>n = 50...300</td> </tr> <tr> <td>d = 6</td> <td>n = 50...500</td> <td>n = 50...500</td> </tr> <tr> <td>d = 8</td> <td>-</td> <td>n = 50...800</td> </tr> </tbody> </table> |                   |                   |            |          | Model | TSI1, TSI2 | TSI3 | d = 4 | n = 50...200 | n = 50...200 | d = 5 | n = 50...300 | n = 50...300 | d = 6 | n = 50...500 | n = 50...500 | d = 8 | - | n = 50...800 |
|   | Model   | TSI1, TSI2        | TSI3              |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| d = 4   | n = 50...200  | n = 50...200      |                   |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| d = 5   | n = 50...300  | n = 50...300      |                   |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| d = 6   | n = 50...500  | n = 50...500      |                   |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| d = 8   | -   | n = 50...800      |                   |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |
| * Please contact COMECO!  |   |                   |                   |            |          |       |            |      |       |              |              |       |              |              |       |              |              |       |   |              |

**Ordering code** TSI(1,2,3) - G1G2.G4.G6.G8.G10.G11.G12.G15 - #1

| Code | Feature or option              | Code values   |
|------|--------------------------------|---|
| G1   | Number of RTD sensors          | 1 or 2  |
| G2   | Sensor                         | RB - Pt50, RD - Pt100, RF - Pt500, RG - Pt1000                              |
| G4   | Diameter 'd' [mm]              | 4, 5, 6, 8  |
| G6   | Probe length 'n' [mm]          | 50...500  |
| G8   | Cable length 'k' [m] and type  | 1SL...10SL - silicone, 1TF...10TF - Teflon® <sup>(1)</sup>                  |
| G10  | Sheath material (wetted parts) | M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404                          |
| G11  | Accuracy class <sup>(1)</sup>  | A - 'A', B - 'B', C - '2xB'   |
| G12  | Number of wires                | 2, 3 <sup>(1)</sup> , 4 <sup>(1)</sup>                                      |
| G15  | Connector                      | X - none, C3 - 4-pin male plug-in connector ø8 (for H5700 thermometer only) |
| #1   | Options                        | X - none, OP - electrochemically polished sheath surface                    |

<sup>(1)</sup> Contact COMECO!