

Sonde de temperatura tip TSA

| CABLE PROBE FOR FREE MOUNTING Ax (TSAX) Sheath - stainless steel (see table notes) Cable - see table notes | SENSITIVE ELEMENT | CABLE TYPE | TEMPERATURE RANGE | DIMENSIONS | |
|---|-------------------|-------------------------------------|-------------------|--------------|-------|
| | | | | d [mm] | wires |
| STRAIGHT-TUBE DESIGN (A) | | | | | |
| <p style="text-align: center;">$n = 20 \dots 200 \text{ mm}$ $k = 1 \dots 10 \text{ m}$</p> | | | | | |
| DESIGN WITH ANGLED TERMINATION (AL) | | | | | |
| <p style="text-align: center;">$n = 20 \dots 200 \text{ mm}$ $k = 1 \dots 10 \text{ m}$</p> | | | | | |
| BENDED-TUBE DESIGN (AB) | | | | | |
| <p style="text-align: center;">$n = 20 \dots 200 \text{ mm}$ $k = 1 \dots 10 \text{ m}$ $m = 30 \dots 200 \text{ mm}$</p> | | | | | |
| RTD Design | | | | | |
| 1 x Pt (RB,RD,RF,RG) | SLSL, TSL, YY | T9 -50...200 °C T1* -50...400 °C | 4 | 2 | |
| | GLGL, TT | T7 0...200 °C T8 0...400 °C | 5 | 2, 3* | |
| 2 x Pt (RB,RD,RF,RG) | SLSL, TSL, YY | T9 -50...200 °C | 6 | 2, 3, 4* | |
| | GLGL, TT | T7 0...200 °C | 8 | 2, 3, 4 | |
| 1 x Cu (RH, RK) | SLSL, TSL, YY | T9 -50...200 °C | 6, 8 | 2x2, 2x3* | |
| | GLGL, TT | T7 0...200 °C | 5* | 2, 3* | |
| 2 x Cu (RH, RK) | SLSL, TSL, YY | T9 -50...200 °C | 6 | 2, 3, 4* | |
| | GLGL, TT | T7 0...200 °C | 8 | 2, 3, 4 | |
| 1 x PTC (RP, RQ) | SLSL, TSL, YY | T12 -50...100 °C | 6, 8 | 2x2, 2x3* | |
| | GLGL, TT | T19 0...100 °C | 6 | 2, 3 | |
| 2 x PTC (RP, RQ) | SLSL, TSL, YY | T12 -50...100 °C | 8 | 2x2 | |
| | GLGL, TT | T19 0...100 °C | 6 | 2, 3 | |
| Thermocouple Design | | | | | |
| 1 x K, 1 x N, 1 x E | SLSL, TSL, YY | T9 -50...200 °C T1* -50...400 °C | 5, 6, 8 | 2 | |
| | GLGL, TT, SFSF | T8 0...400 °C T4* 0...800 °C | 5, 6, 8 | 2 | |
| | SLSL, TSL, YY | T9 -50...200 °C T1* -50...400 °C | 5, 6, 8 | 2 | |
| 1 x J, 1 x T | SLSL, TSL, YY | T9 -50...200 °C T1* -50...400 °C | 5, 6, 8 | 2 | |
| | GLGL, TT, SFSF | T8 0...400 °C | 5, 6, 8 | 2 | |
| <p>Sheath material: 1.4301 (M1), 1.4541 (M2), 1.4571 (M3), 1.4404 (M9), 2.4816 (M8)</p> <p>Cable type: - GLGLP(V) (glass fiber w/ steel braid, max. 400 °C ambient temperature) - SLSL or TSL (silicone, max. 250 °C ambient temperature) - TT (Teflon®, max. 250 °C ambient temperature) - YY (PVC, max. 100 °C ambient temperature) - SFSF (mineral fiber, max. 1000 °C ambient temperature)</p> <p>Tip shape: - RTD: standard, narrowed, pitted - T/C: standard (isolated), grounded, open-tube, exposed (see Appendix - Tip shapes)</p> <p>Accuracy class: - RTD: 'A', 'B', or '2xB' - T/C: '1' or '2' (see Appendix - RTD or T/C Tolerance)</p> <p>Cable connector: 4-pin (C3), 'T/C standard' (C5) or 'T/C miniature' (C6) (see Appendix - Connectors)</p> | | | | | |
| * Please contact | | | | | |

Ordering code TSA(L,B) - G1G2.G3.G4.G6.G7.G8.G10.G11.G12.G14.G15 - #1

| Code | Feature or option | Code values | |
|------|---------------------------------------|---|---|
| G1 | Number of sensors | 1 or 2 | |
| G2 | Sensor | RB - Pt50, RD - Pt100, RF - Pt500, RG - Pt1000, RH - Cu50, RK - Cu100, RP - PTC 1k, RQ - PTC 2k, J - T/C type "J", K - T/C type "K", T - T/C type "T", N - MI T/C type "N" ⁽¹⁾ , E - MI T/C type "E" ⁽¹⁾ , T - MI T/C type "T" ⁽¹⁾ | |
| G3 | Temperature range | T1 - -50...400 °C, T4 - 0...800 °C ⁽³⁾ , T7 - 0...200 °C, T8 - 0...400 °C, T9 - -50...200 °C, T12 - 50...100 °C, T19 - 0...100 °C | |
| G4 | Diameter 'd' [mm] | RTD | 4, 5, 6, 8 |
| | | normal T/C | 5, 6, 8 |
| | | MI T/C | 4.5, 6, 8 |
| G6 | Probe length 'n' [mm] | 20...200 | |
| G7 | Probe length 'm' [mm] (only for TSAB) | 30...200 | |
| G8 | Cable length 'k' [m] and type | 1GL...10GL - glass fiber, 1SL...10SL - silicone, 1TF...10TF - Teflon®, 1MF...10MF - mineral fiber, 1PV...10PV - PVC | |
| G10 | Sheath material (wetted parts) | RTD | M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404 |
| | | normal T/C | M2 - 1.4541, M3 - 1.4571, M9 - 1.4404 |
| | | MI T/C | M2 - 1.4541, M3 - 1.4571, M8 - 2.4816 (Inconel 600), M9 - 1.4404 |
| G11 | Accuracy class | RTD | A - 'A', B - 'B', C - '2xB' |
| | | T/C | 1 - '1' ⁽³⁾ , 2 - '2' |
| G12 | Number of wires ⁽²⁾ | 2, 3, 4 ⁽³⁾ | |
| G14 | Tip shape | RTD | X - standard closed, N - narrowed, P - pitted |
| | | T/C | X - standard (isolated from sheath), G - grounded, E - exposed hot junction, O - open-tube design |
| G15 | Connector | X - none, C3 - 4-pin male plug-in connector φ8 (for H5700 thermometer only), C5 - T/C connector, C6 - miniature T/C connector | |
| #1 | Options | X - none, OV - vibration proof (MgO or Silicone filled), OS - cable protection SS spring (50 mm), OB - braid termination lead (only w/o connector) | |

⁽¹⁾ Only for TSALI

⁽²⁾ Only for RTD sensors!

⁽³⁾ Contact

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