

Termorezistenta tip TSCex – aprobare ATEX

RTD PROBE WITH PROTECTION HEAD Cx (TSCx) (FOR IN-HEAD TRANSMITTER)** OCx (TSOCx)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS																																					
			n [mm]	d [mm]	wires																																			
Sheath - stainless steel (see Appendix - Sheath materials) Head - aluminum, stainless steel, iron, or plastic (see Appendix - Protection heads)																																								
DESIGN WITHOUT EXTENSION (C)																																								
EXTENDED DESIGN WITH WELDED CONNECTION (C1)																																								
EXTENDED DESIGN WITH MOVABLE CONNECTION (C2)																																								
DESIGN WITH ADJUSTABLE CONNECTION (C3)																																								
DESIGN WITH GLAND-TYPE CONNECTION (C4)																																								
Regular RTD Design																																								
1 x Pt (RB,RD,RF,RG)	T9	-50...200 °C	50...500	4	2, 3*																																			
	T1	-50...400 °C		5																																				
	T24	-50...500 °C	50...1500	6	2, 3, 4*																																			
	T11*	-50...600 °C		8, 10, 12, 14, 16, 20																																				
	2(3) x Pt (RB,RD,RF,RG)	T2*	-200...600 °C	50...3000	6*, 8, 10	2x2(3)*																																		
		T4*	0...800 °C		12, 14, 16, 20																																			
T22		-200...200 °C	12, 14, 16, 20																																					
1 x Cu (RH, RK)	T9	-50...200 °C	50...1500	6	2, 3, 4*																																			
			50...3000	8, 10, 12, 14, 16, 20																																				
2 x Cu (RH, RK)	T9	-50...200 °C	50...3000	8, 10	2x2																																			
				12, 14, 16, 20	2x2(3)*																																			
1 x PTC (RP, RQ)	T12	-50...100 °C	50...1500	6	2, 3																																			
			50...3000	8, 10, 12, 14																																				
2 x PTC (RP, RQ)			50...3000	8, 10, 12, 14	2x2																																			
MI RTD Design																																								
1 x Pt (RB,RD,RF,RG)	T9	-50...200 °C	50...50000	3*	2, 3*																																			
	T1	-50...400 °C		4.5	2, 3*																																			
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	T22	-200...200 °C																																						
Protection head: MB, G, N, Cx, Ex, EX (see Appendix - Protection heads)																																								
Process connection 'G' (nipple or union nut): - M16x1.5(Q0), M18x1.5(Q1), M20x1.5(Q2), M27x2(Q5), M33x2(Q25) - 3/8"(Q3/Q9), 1/2"(Q4/Q10), 3/4"(Q6/Q11), 1"(Q12/Q15) - welded or adjustable flange - other - w/o mounting appliances																																								
Thread length: - cylindrical thread: T = 15 mm - NPT thread: according to ANSI B1.20.1																																								
Thermal isolation between nipple and metal head: (for TS(O)C only)																																								
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Extension length: m = 0...1500 mm																																								
Extension diameter: (for TS(O)C1 and TS(O)C2 only, [mm])																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Ext. length 'm'</th> <th colspan="5">Probe diameter 'd'</th> </tr> <tr> <th>4 mm</th> <th>5, 6 mm</th> <th>8 mm</th> <th>10 mm</th> <th>10+ mm</th> </tr> </thead> <tbody> <tr> <td>up to 50 mm</td> <td>8</td> <td>d</td> <td>d</td> <td>d</td> <td>d</td> </tr> <tr> <td>50...150 mm</td> <td>8</td> <td>8</td> <td>d</td> <td>d</td> <td>d</td> </tr> <tr> <td>150...500 mm</td> <td>10</td> <td>10</td> <td>10</td> <td>d</td> <td>d</td> </tr> <tr> <td>500+ mm</td> <td>14</td> <td>14</td> <td>14</td> <td>14</td> <td>d</td> </tr> </tbody> </table>						Ext. length 'm'	Probe diameter 'd'					4 mm	5, 6 mm	8 mm	10 mm	10+ mm	up to 50 mm	8	d	d	d	d	50...150 mm	8	8	d	d	d	150...500 mm	10	10	10	d	d	500+ mm	14	14	14	14	d
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Tip shape: standard or narrowed (see Appendix - Tip shapes)																																								
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Sheath material: 1.4301(M1), 1.4401/1.4404(M9), 1.4541(M2), 1.4571(M3), 1.4362(M15)																																								
Wire material: Cu, Ni, or Ag																																								
Accuracy class: 'A', 'B', or '2xB' (see Appendix - RTD Tolerance)																																								
* Please contact ** Order transmitter separately!!!																																								

Ordering code TS*(1,2,3,4) - G0.G1G2.G3.G4.G6.G7.G9'9".G10.G11.G12.G13.G14 - #1.#2.EX

Code	Feature or option	Code values
*	Base model variant	C - standard (w/ terminal block), OC - prepared for in-head transmitter (w/o terminal block)
G0	Protection head	ATEX approval: II 3G Ex e IIC T6 II 3D Ex tD A22 IP65 CC - type "CC", CS - type "CS", ES - type "ES", G - type "G", MB - type "MB", N - type "N"
		ATEX approval: II 2G Ex d IIC T6 II 2D Ex tD A21 IP65 EG - type "EG", EGS - type "EGS", EGW - type "EGW", EX - explosion-proof instrument housing (specify!)
G1	Number of RTD sensors	1, 2, or 3 ⁽⁹⁾
G2	Sensor	RB - Pt50, RD - Pt100, RF - Pt500, RG - Pt1000, RH - Cu50, RK - Cu100, RP - PTC 1k, RQ - PTC 2k
G3	Temperature range	T1 - -50...400 °C, T2 - -200...600 °C (Ni or Ag wires only!), T4 - 0...800 °C (Ag wires only!), T9 - -50...200 °C, T11 - -50...600 °C (Ni or Ag wires only!), T22 - -200...200 °C, T24 - -50...500 °C
G4	Diameter 'd' [mm]	regular RTD 4, 5, 6, 8, 10, 12, 14, 16, 20
		MI RTD 3 ⁽⁹⁾ , 4, 5, 6, 8
G6	Probe length 'n' [mm] ⁽¹⁾	50...50000 (see table overleaf)
G7	Probe length 'm' [mm] ⁽²⁾	0...1500
G9'	Mounting connection	X - no mounting appliances ⁽³⁾ , Q0 - M16x1.5, Q1 - M18x1.5, Q2 - M20x1.5, Q3 - G3/8", Q4 - G1/2", Q5 - M27x2, Q6 - G3/4", Q9 - 3/8" NPT, Q10 - 1/2" NPT, Q11 - 3/4" NPT, Q12 - G1", Q15 - 1" NPT, Q25 - M33x2, Uxx - union nut (xx - same as for Qxx), F - flange (specify!), Z - other connection (specify!)
G9"	Compression fitting ferrule ⁽⁴⁾	BR - brass, GR - graphite, SS - stainless steel, TF - Teflon®
G10	Sheath material (wetted parts)	regular RTD M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4401 (1.4404), M15 - 1.4362 ⁽⁹⁾
		MI RTD M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4401 (1.4404)
G11	Accuracy class	X - none ⁽⁵⁾ , A - 'A', B - 'B', C - '2xB'
G12	Number of wires	2, 3, 4
G13	Wire material ⁽⁶⁾	CU - copper, NI - nickel, AG - silver ⁽⁷⁾
G14	Tip shape	X - standard closed, N - narrowed ⁽⁷⁾
#1	Options	X - none, OV - vibration proof (spring terminals, MgO or Silicone filled, secured screws) ⁽⁷⁾ , OT - thermal isolation ⁽³⁾ , OP - electrochemically polished wetted parts ⁽⁷⁾
#2	Local indicator	X - none, A - local indicator mounted ⁽⁸⁾

⁽¹⁾ 'n+m' for TS(O)C3 and TS(O)C4!

⁽²⁾ Only for TS(O)C1 and TS(O)C2!

⁽³⁾ Only for TS(O)C!

⁽⁴⁾ Only for TS(O)C4!

⁽⁵⁾ For non-Pt sensors

⁽⁶⁾ Only for Pt sensors!

⁽⁷⁾ Only for non-MI (regular) sheath types!

⁽⁸⁾ With windowed head only! See indicator datasheets and order separately!

⁽⁹⁾ Contact

Distributor:

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