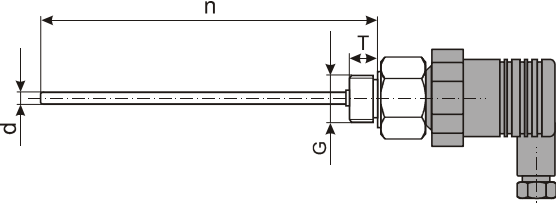
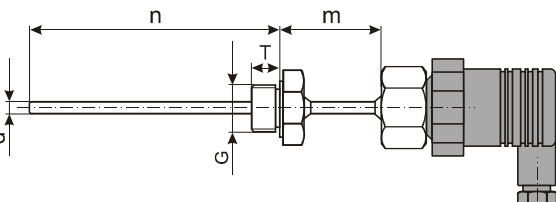
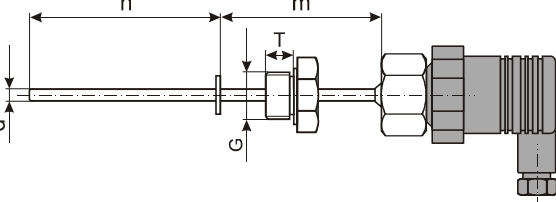
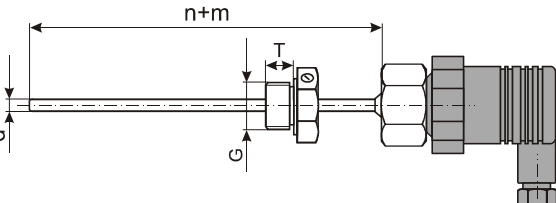
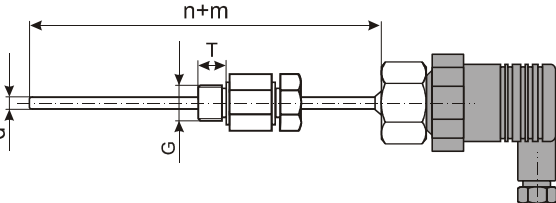


(MI) RTD PROBE WITH DETACHABLE CONNECTOR TSKx Sheath - stainless steel (see Appendix - Sheath materials) Connector - IP65/68 (see Appendix - Sensor connectors)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS																																	
			n [mm]	d [mm]	wires																															
<p>DESIGN WITHOUT EXTENSION (TSK)</p> 	Regular Design																																			
	1 x Pt (RB,RD,RF,RG)	T9 -50...200 °C	50...500	4	2, 3*																															
		T1 -50...400 °C		5	2, 3																															
		T24 -50...500 °C	50...1500	6	2, 3, 4*																															
	2 x Pt (RB,RD,RF,RG)	T11* -50...600 °C	50...3000	8, 10, 12, 14	2, 3, 4																															
		T2* -200...600 °C	50...3000	6*, 8, 10, 12, 14	2x2(3)*																															
	T4* 0...800 °C																																			
	3 x Pt* (RB,RD,RF,RG)	T26 -200...150 °C	50...3000	8, 10, 12, 14	3x2																															
		T22 -200...200 °C																																		
	1 x Cu (RH, RK)	T9 -50...200 °C	50...1500	6	2, 3, 4*																															
50...3000			8, 10, 12, 14																																	
2 x Cu (RH, RK)	T9 -50...200 °C	50...3000	8, 10	2x2																																
			12, 14	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)	T12 -50...100 °C	50...3000	8, 10, 12, 14	2x2																																
<p>EXTENDED DESIGN WITH WELDED CONNECTION (TSK1)</p> 	MI 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*																															
		T24 -50...500 °C		6	2, 3, 4*																															
		T11* -50...600 °C		8	2, 3, 4																															
		T2* -200...600 °C		6, 8	2x2, 2x3*																															
	2 x Pt (RB,RD,RF,RG)	T4* 0...800 °C	50...50000	6, 8	2x2, 2x3*																															
		T22 -200...200 °C																																		
	<p>EXTENDED DESIGN WITH MOVABLE CONNECTION (TSK2)</p> 	<p>Detachable wiring connector: C1, C7, C8 (see Appendix - Connectors)</p> <p>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</p> <p>Thread length: - cylindrical thread: T = 15 mm - NPT thread: according to ANSI B1.20.1</p> <p>Extension length: m = 0...1500 mm</p> <p>Extension diameter: (for TSK1 and TSK2 only, [mm])</p> <table border="1"> <thead> <tr> <th>Probe diameter 'd'</th> <th>3, 4 mm</th> <th>4.5...6 mm</th> <th>8 mm</th> <th>10 mm</th> <th>10+ mm</th> </tr> </thead> <tbody> <tr> <td>Ext. length 'm' 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>					Probe diameter 'd'	3, 4 mm	4.5...6 mm	8 mm	10 mm	10+ mm	Ext. length 'm' 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
		Probe diameter 'd'	3, 4 mm	4.5...6 mm	8 mm	10 mm	10+ mm																													
Ext. length 'm' 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																														
1 x Pt (RB,RD,RF,RG)		<p>Tip shape: standard, narrowed, pitted (see Appendix - Tip Shapes)</p> <p>Process pressure:</p> <table border="1"> <thead> <tr> <th>Probe design</th> <th>TSK, TSK1</th> <th>TSK2</th> <th>TSK4</th> <th>TSK3</th> </tr> </thead> <tbody> <tr> <td>Max. pressure *</td> <td>25 bar</td> <td>16 bar</td> <td>6 bar</td> <td>0 bar</td> </tr> </tbody> </table>				Probe design	TSK, TSK1	TSK2	TSK4	TSK3	Max. pressure *	25 bar	16 bar	6 bar	0 bar																					
		Probe design	TSK, TSK1	TSK2	TSK4	TSK3																														
Max. pressure *		25 bar	16 bar	6 bar	0 bar																															
2 x Pt (RB,RD,RF,RG)		<p>Sheath material: 1.4301(M1), 1.4401/1.4404(M9), 1.4541(M2), 1.4571(M3), 1.4362(M15)</p> <p>Wire material: Cu, Ni, or Ag</p> <p>Accuracy class: 'A', 'B', or '2xB' (see Appendix - RTD Tolerance)</p>																																		
	<p>* Please contact COMECO!</p>																																			
<p>DESIGN WITH ADJUSTABLE CONNECTION (TSK3)</p> 																																				
<p>DESIGN WITH GLAND-TYPE CONNECTION (TSK4)</p> 																																				

COMECO reserves the right of changing specifications without prior notice!

Ordering code TSK(1,2,3,4) - (MI -) G1G2.G3.G4.G6.G7.G9*9".G10.G11.G12.G13.G14.G15 - #1

Code	Feature or option	Code values	
G1	Number of RTD sensors ⁽¹⁾	1, 2, or 3 ⁽¹⁰⁾	
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, T4 - 0...800 °C, T9 - -50...200 °C, T11 - -50...600 °C, T22 - -200...200 °C, T24 - -50...500 °C, T26 - -200...150 °C	
G4	Diameter 'd' [mm]	regular design	4, 5, 6, 8, 10, 12, 14
		MI design	3 ⁽¹⁰⁾ , 4.5, 6, 8
G6	Probe length 'n' [mm] ⁽²⁾	50...50000 (see table overleaf)	
G7	Probe length 'm' [mm] ⁽³⁾	0...1500	
G9'	Mounting connection	X - no mounting appliances ⁽⁴⁾ , 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 ⁽⁵⁾	BR - brass, GR - graphite, SS - stainless steel, TF - Teflon®	
G10	Sheath material (wetted parts)	regular design	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4401 (1.4404), M15 - 1.4362
		MI design	M2 - 1.4541, M3 - 1.4571, M9 - 1.4401 (1.4404)
G11	Accuracy class	X - none ⁽⁶⁾ , A - 'A', B - 'B', C - '2xB'	
G12	Number of wires	2, 3, 4 ⁽¹⁰⁾	
G13	Wire material ⁽⁷⁾	CU - copper ⁽⁸⁾ , NI - nickel, AG - silver ⁽⁹⁾	
G14	Tip shape	X - standard closed, N - narrowed ⁽⁹⁾ , P - pitted ⁽⁹⁾	
G15	Wiring connector	C1A - angled 4-pin connector M12 (IP68), C1A - straight 4-pin connector M12 (IP68), C7 - DIN 43650 4-pin connector (IP65), C8 - DIN 43651 6-pin connector (IP65)	
#1	Options	X - none, OV - vibration proof (MgO or Silicone filled) ⁽⁹⁾ , OP - electrochemically polished wetted parts ⁽⁹⁾	

⁽¹⁾ The total number of wires must comply with the selected wiring connector!

⁽²⁾ 'n+m' for TSK3 and TSK4!

⁽³⁾ Only for TSK1 and TSK2!

⁽⁴⁾ Only for TSK!

⁽⁵⁾ Only for TSK4!

⁽⁶⁾ For non-Pt sensors

⁽⁷⁾ Only for Pt sensors!

⁽⁸⁾ Not applicable to non-MI (regular) RTDs for above 500 °C!

⁽⁹⁾ Only for non-MI (regular) design!

⁽¹⁰⁾ Contact COMECO!