

(MI) T/C PROBE WITH PROTECTION HEAD AND CERAMIC PROTECTION TUBE - FOR IN-HEAD TRANSMITTER **	TSZx TSOZx	SENSITIVE ELEMENT	TEMPERATURE RANGE	WIRE [mm] / MI [mm]	TUBE MATERIAL	DIMENSIONS	
						d [mm]	D [mm]
Regular Design							
<p>STRAIGHT DESIGN (TS(O)Z)</p> <p>ANGLED DESIGN (TS(O)ZL)</p>	1 x K; 1 x N 2 X K, 2 X N	T13 0...1000 °C	1.0	C1(2), C6	10	16	
		T6 0...1200 °C	1.5	C1(2)	15	22	
				C6, C7	16, 19	22, 24	
	T6 0...1200 °C	3.0	C5	17	24		
			C1(2)	24	32		
			C4, C7	22, 28	30, 36		
	1 x S; 1 x R 2 X S, 2 X R	T21 0...1300 °C	0.35	C5	23	30	
				C6	25, 32	32, 40	
				C1(2)	10, 15, 24	16, 22, 32	
				C4	22	30	
T5 0...1500 °C		0.35, 0.5	C5	17, 23	24, 30		
			C6	10, 16, 19, 25	16, 22, 24, 32		
T14 0...1600 °C	0.5	C2	10, 15, 24	16, 22, 32			
		C6	10, 16, 19, 25	16, 22, 24, 32			
1 x B; 2 x B	T14 0...1600 °C	0.35	C2	10, 15, 24	16, 22, 32		
1 x B; 2 x B	T15 0...1700 °C	0.5	C3	10, 15, 24	16, 22, 32		
			C6*	10, 16, 19, 25	16, 22, 24, 32		
MI Design							
1 x K; 1 x N 2 X K, 2 X N	T16 0...1100 °C	3, 4.5, 6, 8	C1(2), C6	10	16		
			C1(2)	15	22		
			C6, C7	16, 19	22, 24		
	T6 0...1200 °C (Microbell®)	3, 4.5, 6, 8, 10	C5	17, 23	24, 30		
			C1(2)	24	32		
1 x S, 2 x S	T16 0...1100 °C (Inconel 600)	3, 4.5, 6	C4, C7	22, 28	30, 36		
			C6	25, 32	32, 40		
			C1(2), C6	10	16		
			C1(2)	15	22		
			C6, C7	16, 19	22, 24		
			C5	17, 23	24, 30		
<p>Protection head: B, MA, MB, G, N, Cx, Dx, Ex (see Appendix - Protection Heads)</p> <p>Process connection: - welded or adjustable flange - w/o mounting appliances</p> <p>Extension length: m = 100...1000 mm m1 = 100...1000 mm</p> <p>Holding tube / elbow material: 1.4301(M1), 1.4401/1.4404(M9), 1.4541(M2), 1.4571(M3)</p> <p>MI sheath material: 2.4816(M8), Microbell®(M10)</p> <p>Accuracy class: '1' or '2' (see Appendix - T/C Tolerance)</p>							
<p>* Please contact COMECO!</p> <p>** Order transmitter separately!!!</p>							

COMECO reserves the right of changing specifications without prior notice!

Ordering code TS*(L) - (MI -) G0.G1G2.G3.G4.G5.G6.G7'.G7".G9.G10'.G10".G11 - #1

Code	Feature or option	Code values
*	Base model variant	Z - standard (w/ terminal block), OZ - prepared for in-head transmitter (w/o terminal block)
G0	Protection head	B - type "B", CC - type "CC", CS - type "CS", D - type "D", DH - type "DH", DHW - type "DHW", DW - type "DW", E - type "E", EG - type "EG", EGS - type "EGS", EGSS - type "EGSS", EGW - type "EGW", EGWSS - type "EGWSS", ES - type "ES", G - type "G", MA - type "MA", MB - type "MB", N - type "N"
G1	Number of thermocouples	1 or 2
G2	Thermocouple	B - type "B", K - type "K", N - type "N", R - type "R", S - type "S"
	regular design	
G2	Check wire-to-sheath compatibility in the specification table!	K - type "K", N - type "N", S - type "S"
	MI design	
G3	Temperature range	T5 - 0...1500 °C, T6 - 0...1200 °C, T13 - 0...1000 °C, T14 - 0...1600 °C, T15 - 0...1700 °C, T16 - 0...1100 °C, T21 - 0...1300 °C
G4	Diameter 'd' [mm]	10, 15, 16, 17, 19, 22, 23, 24, 25, 28, 32 (see table overleaf)
	single tube	
	double tube	24/10, 24/15 , etc. (see 'Accessories - Protection Tubes YA' for available combinations!)
G5	Diameter 'D' [mm]	16, 22, 24, 30, 32, 36, 40
G6	Probe length 'n' [mm]	200...1800 (see table overleaf)
G7'	Probe length 'm' [mm]	100...1000
G7"	Probe length 'm1' [mm]	100...1000
G9	Mounting connection	X - no mounting appliances, F - flange (specify!), Z - other connection (specify!)
G10'	Protection tube material	C1 - ceramic Pythagoras 610, C2 - ceramic Oxal 710, C3 - ceramic Alsint 799, C4 - metal-ceramic Ucar®, C5 - silicon carbide, C6 - Hexoloy®, C7 - Syalon
G10"	Holding tube material	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4401 (1.4404)
G11	Accuracy class	1 - '1' ⁽³⁾ , 2 - '2'
#1	Incorporated devices	X - none, T - in-head transmitter ⁽¹⁾ , A - local indicator ⁽²⁾

⁽¹⁾ Only for variant 'OZ'! See transmitter datasheets and order separately!

⁽²⁾ With windowed head only! See indicator datasheets and order separately!

⁽³⁾ Contact COMECO!