

T/C PROBE WITH PROTECTION HEAD AND CERAMIC PROTECTION TUBE (FOR IN-HEAD TRANSMITTER)** Holding tube - stainless steel 1.4301 or 1.4404 Protection tube - ceramic (see Accessories - Protection tubes) Head - aluminum, stainless steel, or plastic (see Appendix - Protection heads)	Zx (BTSZx)	SENSITIVE ELEMENT	TEMPERATURE RANGE	WIRE [mm] / MI [mm]	TUBE MATERIAL	DIMENSIONS	
	OZx (BTSOZx)					d [mm]	D [mm]
Normal Thermocouple Design							
<p>STRAIGHT DESIGN (Z)</p> <p>ANGLED DESIGN (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	
				C5	17	24	
		T6 0...1200 °C	3.0	C1(2)	24	32	
				C4, C7	22, 28	30, 36	
	C5			23	30		
	1 x S; 1 x R 2 X S, 2 X R	T21 0...1300 °C	0.35	C1(2)	10,15,24	16,22,32	
				C4	22	30	
				C5	17, 23	24, 30	
C6				10,16,19,25	16,22,24,32		
T5 0...1500 °C		0.35, 0.5	C1(2)	10,15,24	16,22,32		
			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		
			C6	10,16,19,25	16,22,24,32		
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 Thermocouple Design							
1 x K; 1 x N 2 X K, 2 X N	T16 0...1100 °C	3, 4.5, 6, 8	C1, C6	10	16		
			C1	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	24	32		
			C4, C7	22, 28	30, 36		
1 x S, 2 x S	T16 0...1100 °C (Inconel 600)	3, 4.5, 6	C6	25, 32	32, 40		
			C1, C6	10	16		
			C1	15	22		
			C6, C7	16, 19	22, 24		
			C5	17, 23	24, 30		
<p>Protection head: B, MA, MB, G, N, Dx, Ex, EX (see Appendix - Protection heads)</p> <p>Process connection: - welded or adjustable flange - no mounting appliances</p> <p>Extension length: m = 100...1000 mm</p> <p>Extension tube material: 1.4301(M1), 1.4541(M2), 1.4404(M9), 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 BASII</p> <p>** Order transmitter separately!!!</p>							

BASII reserves the right of changing specifications without prior notice!

temperature probes

Ordering code **BTS*(L) - 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", MA - type "MA", MB - type "MB", G - IP65, type "G", N - type "N", D - type "D", DW - windowed, type "DW", DH - w/ high cap, type "DH", DHW - windowed, type "DHW", E - IP65, type "E", ES - stainless-steel, type "ES", EG - IP68 ATEX-approved, type "EG", EGS - IP66 ATEX-approved, type "EGS", EGW - windowed ATEX-approved, type "EGW", EX - explosion-proof instrument housing (specify!)
G1	Number of thermocouples	1 or 2
G2	Thermocouple <u>Check wire-to-sheath compatibility in the specification table!</u>	K - type "K", N - type "N", S - type "S", R - type "R", B - type "B"
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]	single tube 10, 15, 16, 17, 19, 22, 23, 24, 25, 28, 32 (see table overleaf)
		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''	Extension tube material	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404
G11	Accuracy class	1 - '1' ⁽²⁾ , 2 - '2'
#1	Local indicator	X - none, A - local indicator mounted ⁽¹⁾

⁽¹⁾ With windowed head only! See indicator datasheets and order separately!

⁽²⁾ Contact BASI!