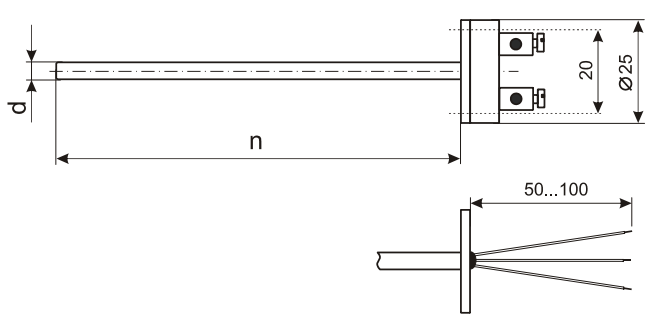
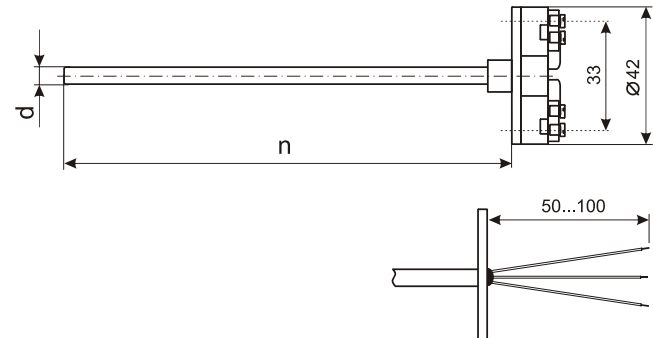


temperature probes

RTD REPLACEABLE INSERT (PREPARED FOR IN-HEAD TRANSMITTER)** Sheath - stainless steel (see Appendix - Sheath materials) Terminal base - Al ₂ O ₃ . Terminals - Ni-plated brass	Sx (BTSSx)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS		
	OSx (BTSOSx)			n [mm]	d [mm]	wires
<p>DESIGN WITH TERMINAL BLOCK TYPE "M" (SM)</p>  <p>DESIGN WITH TERMINAL BLOCK TYPE "B" (SB)</p> 	1 x Pt (RB,RD,RF,RG)	T9 -50...200 °C T1 -50...400 °C T11* -50...600 °C T2* -200...600 °C	50...200 50...500 50...1500 50...3000	4 5 6 8	2 2, 3* 2, 3, 4* 2, 3, 4	
	2 x Pt (RB,RD,RF,RG)	T4* -0...800 °C	50...3000	6	2x2*	
	1 x Cu (RH, RK)	T9 -50...200 °C	50...1500 50...3000	6 8	2, 3, 4* 2, 3, 4	
	2 x Cu (RH, RK)	T9 -50...200 °C	50...3000	6 8	2x2* 2x2(3)*	
	<p>Suitable protection heads: (see Appendix - Protection heads) - TSSM: MA, MB (20 mm mounting distance) - TSSB: B, D, DW, DHW, G, E, EG, EGS, EGW (33 mm mounting distance)</p> <p>Fixing to protection head: direct (default) or springing ('OS' option)</p> <p>Tip shape: standard, narrowed, pitted (see Appendix - Tip shapes)</p> <p>Sheath material: 1.4301(M1), 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 BASI! ** No transmitter mounted!</p>					

Ordering code BTS*(B,M) - G1G2.G3.G4.G6.G10.G11.G12.G13.G14 - #1

Code	Feature or option	Code values
*	Base model variant	S - standard (w/ terminal block), OS - prepared for in-head transmitter (w/o terminal block)
G1	Number of RTD sensors	1, 2, or 3 ⁽⁴⁾
G2	Sensor	RB - Pt50, RD - Pt100, RF - Pt500, RG - Pt1000, RH - Cu50, RK - Cu100
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!)
G4	Diameter 'd' [mm]	4, 5, 6, 8, 10
G6	Insert length 'n' [mm] ⁽¹⁾	50...3000 (see table above)
G10	Sheath material	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404, M15 - 1.4362
G11	Accuracy class ⁽²⁾	A - 'A', B - 'B', C - '2xB'
G12	Number of wires	2, 3, 4 ⁽⁴⁾
G13	Wire material ⁽²⁾	CU - copper, NI - nickel, AG - silver
G14	Tip shape	X - standard closed, N - narrowed, P - pitted
#1	Options	X - none, OV - vibration proof (MgO or Silicone filled, secured screws) ⁽³⁾ , OS - spring-fixed terminal block, OP - electrochemically polished sheath surface

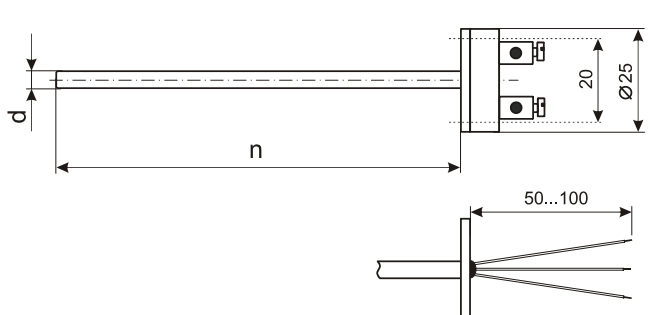
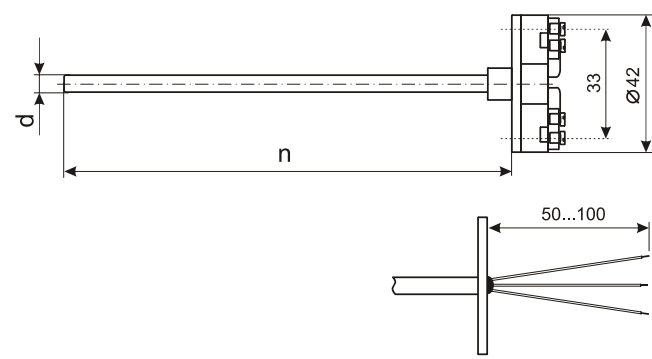
⁽¹⁾ This length does not coincide with the probe immersion length!

⁽²⁾ Only for Pt sensors!

⁽³⁾ Requires 'OS' option!

⁽⁴⁾ Contact BASI!

temperature probes

T/C REPLACEABLE INSERT (PREPARED FOR IN-HEAD TRANSMITTER)** Sheath - stainless steel (see Appendix - Sheath materials) Terminal base - Al ₂ O ₃ . Terminals - Ni-plated brass	Sx (BTSSx)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS			
	OSx (BTSOSx)			n [mm]	d [mm]	wires	
DESIGN WITH TERMINAL BLOCK TYPE "M" (SM) 		Normal Thermocouple Design					
DESIGN WITH TERMINAL BLOCK TYPE "B" (SB) 		1 x J; 1 x L	T4	0...800 °C	50...3000	6,8,10	2
		2 x J; 2 x L				8,10	2x2
		1 x K	T3	0...850 °C	50...3000	6,8,10	2
		2 x K					
		1 x E	T3	0...850 °C	50...3000	6,8,10	2
		2 x E					
		1 x S	T16	0...1100 °C	50...3000	6,8,10	2
		1 x R					
		2 x S	T16	0...1100 °C	50...3000	8,10	2x2
		2 x R					
		MI Thermocouple Design					
		1 x J	T4	0...800 °C	50...3000	3, 4.5, 6, 8	2
		2 x J					2x2
		1 x K	T3	0...850 °C	50...3000	4.5, 6, 8	2
		1 x N, 1 x E					T16
		2 x K	T6*	0...1150 °C	50...3000	2x2	
		2 x N, 2 x E					T6*
		Suitable protection heads: (see Appendix - Protection heads) - TSSM: MA, MB (20 mm mounting distance) - TSSB: B, D, DW, DHW, G, E, EG, EGS, EGW (33 mm mounting distance)					
		Fixing to protection head: direct (default) or springing ('OS' option)					
		Tip shape (hot junction design): standard (isolated), grounded, open-tube, exposed (see Appendix - Tip shapes)					
		Sheath material: 1.4404(M9), 1.4541(M2), 1.4571(M3), 1.4762(M4), 1.4841(M5), 1.4845(M6), 1.4876(M7), 2.4816(M8), 1.4362 (M15)					
		MI sheath material: 1.4404(M9), 1.4541(M2), 1.4571(M3), 1.4762(M4), 1.4841(M5), 1.4876(M7), 2.4816(M8), Microbell® (M10)					
		Accuracy class: '1' or '2' (see Appendix - T/C Tolerance)					
		* Please contact BASII!					
		** No transmitter mounted!					

Ordering code BTS*(B,M) - G1G2.G3.G4.G6.G10.G11.G12.G13.G14 - #1

Code	Feature or option	Code values	
*	Base model variant	S - standard (w/ terminal block), OS - prepared for in-head transmitter (w/o terminal block)	
G1	Number of thermocouples	1 or 2	
G2	Thermocouple	J - type "J", K - type "K", N - type "N", E - type "E", L - type "L", S - type "S", R - type "R"	
G3	Temperature range	T3 - 0...850 °C, T4 - 0...800 °C, T6 - 0...1200 °C ⁽³⁾ , T13 - 0...1000 °C, T16 - 0...1100 °C	
G4	Diameter 'd' [mm]	normal T/C	6, 8, 10
		MI T/C	3, 4.5, 6, 8
G6	Insert length 'n' [mm] ⁽¹⁾	50...3000	
G10	Sheath material	normal T/C	M2 - 1.4541, M3 - 1.4571, M4 - 1.4762, M5 - 1.4841, M6 - 1.4845, M7 - 1.4876, M8 - 2.4816, M9 - 1.4404, M15 - 1.4362
		MI T/C	M2 - 1.4541, M3 - 1.4571, M4 - 1.4762 (1.4749), M5 - 1.4841, M7 - 1.4876 (Incolloy 800), M8 - 2.4816 (Inconel 600), M9 - 1.4404, M10 - Microbell®
G11	Accuracy class	1 - '1' ⁽³⁾ , 2 - '2'	
G14	Tip shape (hot junction)	X - standard (isolated from sheath), G - grounded, E - exposed hot junction, O - open-tube design	
#1	Options	X - none, OV - vibration proof (secured screws) ⁽²⁾ , OS - spring-fixed terminal block, OP - electrochemically polished sheath surface	

⁽¹⁾ This length does not coincide with the probe immersion length!

⁽²⁾ Requires 'OS' option!

⁽³⁾ Contact BASII!