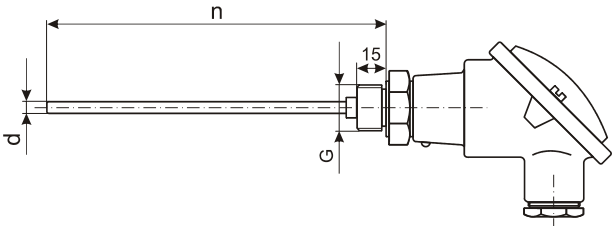
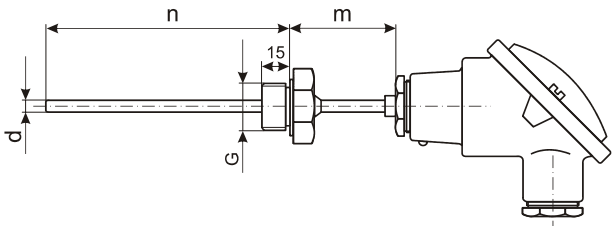
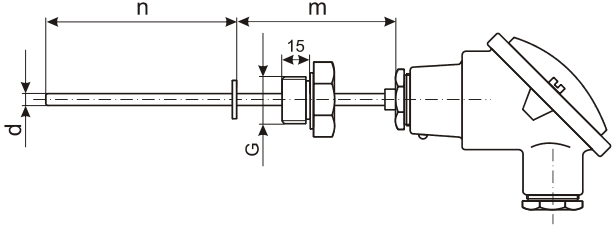
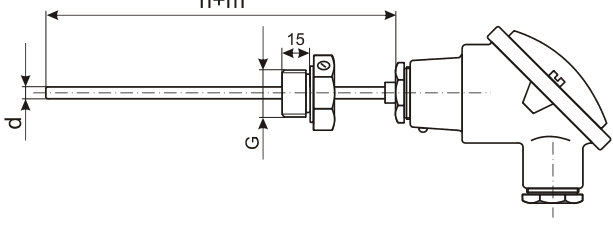
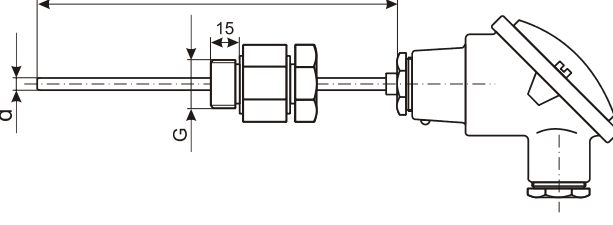


RTD PROBE WITH PROTECTION HEAD  (FOR IN-HEAD TRANSMITTER)** Sheath - stainless steel (see Appendix - Sheath materials) Head - aluminum, stainless steel, or plastic (see Appendix - Protection heads)	Cx (BTSCx)  OCx (BTSOCx)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS																																						
				n [mm]	d [mm]	wires																																				
<b>DESIGN WITHOUT EXTENSION (C)</b> 		1 x Pt (RB,RD,RF,RG)	T9 -50...200 °C T1 -50...400 °C T11* -50...600 °C T2* -200...600 °C T4* -0...800 °C	50...200	4	2																																				
				50...500	5	2, 3*																																				
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				50...3000	8, 10, 12, 14, 16, 20	2, 3, 4																																				
				50...3000	6*, 8, 10	2x2																																				
<b>EXTENDED DESIGN WITH WELDED CONNECTION (C1)</b> 		2(3) x Pt (RB,RD,RF,RG)	T9 -50...200 °C	50...1500	6	2, 3, 4*																																				
				50...3000	8, 10, 12, 14, 16, 20	2x2																																				
<b>EXTENDED DESIGN WITH MOVABLE CONNECTION (C2)</b> 		1 x Cu (RH, RK)	T9 -50...200 °C	50...1500	6	2, 3, 4*																																				
				50...3000	8, 10, 12, 14, 16, 20	2x2																																				
<b>DESIGN WITH ADJUSTABLE CONNECTION (C3)</b> 		2 x Cu (RH, RK)	T9 -50...200 °C	50...3000	8, 10	2x2																																				
				50...3000	12, 14, 16, 20	2x2(3)* 3x2*																																				
<b>DESIGN WITH GLAND-TYPE CONNECTION (C4)</b> 		<b>Protection head:</b> B, MA, MB, G, N, Dx, Ex, EX (see Appendix - Protection heads)																																								
		<b>Process connection 'G' (nipple or union nut):</b> - 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 - no mounting appliances																																								
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<b>Wire material:</b> Cu, Ni, or Ag																																										
<b>Accuracy class:</b> 'A', 'B', or '2xB' (see Appendix - RTD Tolerance)																																										
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# temperature probes

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

Code	Feature or option	Code values
*	Base model variant	<b>C</b> - standard (w/ terminal block), <b>OC</b> - prepared for in-head transmitter (w/o terminal block)
G0	Protection head	<b>B</b> - type "B", <b>MA</b> - type "MA", <b>MB</b> - type "MB", <b>G</b> - IP65, type "G", <b>N</b> - type "N", <b>D</b> - type "D", <b>DW</b> - windowed, type "DW", <b>DH</b> - w/ high cap, type "DH", <b>DHW</b> - windowed, type "DHW", <b>E</b> - IP65, type "E", <b>ES</b> - stainless-steel, type "ES", <b>EG</b> - IP68 ATEX-approved, type "EG", <b>EGS</b> - IP66 ATEX-approved, type "EGS", <b>EGW</b> - windowed ATEX-approved, type "EGW", <b>EX</b> - explosion-proof instrument housing (specify!)
G1	Number of RTD sensors	<b>1, 2, or 3</b> <sup>(8)</sup>
G2	Sensor	<b>RB</b> - Pt50, <b>RD</b> - Pt100, <b>RF</b> - Pt500, <b>RG</b> - Pt1000, <b>RH</b> - Cu50, <b>RK</b> - Cu100
G3	Temperature range	<b>T1</b> - -50...400 °C, <b>T2</b> - -200...600 °C (Ni or Ag wires only!), <b>T4</b> - 0...800 °C (Ag wires only!), <b>T9</b> - -50...200 °C, <b>T11</b> - -50...600 °C (Ni or Ag wires only!)
G4	Diameter 'd' [mm]	<b>4, 5, 6, 8, 10, 12, 14, 16, 20</b>
G6	Probe length 'n' [mm] <sup>(1)</sup>	<b>50...3000</b> (see table overleaf)
G7	Probe length 'm' [mm] <sup>(2)</sup>	<b>0...1500</b>
G9'	Mounting connection	<b>X</b> - no mounting appliances, <b>Q0</b> - M16x1.5, <b>Q1</b> - M18x1.5, <b>Q2</b> - M20x1.5, <b>Q3</b> - G3/8", <b>Q4</b> - G1/2", <b>Q5</b> - M27x2, <b>Q6</b> - G3/4", <b>Q9</b> - 3/8" NPT, <b>Q10</b> - 1/2" NPT, <b>Q11</b> - 3/4" NPT, <b>Q12</b> - G1", <b>Q15</b> - 1" NPT, <b>Q25</b> - M33x2, <b>Uxx</b> - union nut (xx - same as for Qxx), <b>F</b> - flange (specify!), <b>Z</b> - other connection (specify!)
G9"	Compression fitting ferrule <sup>(3)</sup>	<b>TF</b> - Teflon®, <b>BR</b> - brass, <b>SS</b> - stainless steel
G10	Sheath material	<b>M1</b> - 1.4301, <b>M2</b> - 1.4541, <b>M3</b> - 1.4571, <b>M9</b> - 1.4404, <b>M15</b> - 1.4362
G11	Accuracy class <sup>(4)</sup>	<b>A</b> - 'A', <b>B</b> - 'B', <b>C</b> - '2xB'
G12	Number of wires	<b>2, 3, 4</b> <sup>(8)</sup>
G13	Wire material <sup>(4)</sup>	<b>CU</b> - copper, <b>NI</b> - nickel, <b>AG</b> - silver
G14	Tip shape	<b>X</b> - standard closed, <b>N</b> - narrowed, <b>P</b> - pitted <sup>(5)</sup>
#1	Options	<b>X</b> - none, <b>OV</b> - vibration proof (spring-type terminals, MgO or Silicone filled, secured screws), <b>OS</b> - spring-loaded mounting connection <sup>(6)</sup> , <b>OT</b> - thermal isolation <sup>(6)</sup> , <b>OP</b> - electrochemically polished sheath surface
#2	Local indicator	<b>X</b> - none, <b>A</b> - local indicator mounted <sup>(7)</sup>

<sup>(1)</sup> 'n+m' for BTS(O)C3 and BTS(O)C4!

<sup>(2)</sup> Only for BTS(O)C1 and BTS(O)C2!

<sup>(3)</sup> Only for BTS(O)C4!

<sup>(4)</sup> Only for Pt sensors!

<sup>(5)</sup> Only for non-explosion-proof RTDs!

<sup>(6)</sup> Only for BTS(O)C!

<sup>(7)</sup> With windowed head only! See indicator datasheets and order separately!

<sup>(8)</sup> Contact BASI!

T/C PROBE WITH PROTECTION HEAD  (FOR IN-HEAD TRANSMITTER)** Sheath - stainless steel (see Appendix - Sheath materials) Head - aluminum, stainless steel, or plastic (see Appendix - Protection heads)	Cx (BTSCx)  OCx (BTSOCx)		SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS																																																								
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# temperature probes

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

Code	Feature or option	Code values	
*	Base model variant	<b>C</b> - standard (w/ terminal block), <b>OC</b> - prepared for in-head transmitter (w/o terminal block)	
G0	Protection head	<b>B</b> - type "B", <b>MA</b> - type "MA", <b>MB</b> - type "MB", <b>G</b> - IP65, type "G", <b>N</b> - type "N", <b>D</b> - type "D", <b>DW</b> - windowed, type "DW", <b>DH</b> - w/ high cap, type "DH", <b>DHW</b> - windowed, type "DHW", <b>E</b> - IP65, type "E", <b>ES</b> - stainless-steel, type "ES", <b>EG</b> - IP68 ATEX-approved, type "EG", <b>EGS</b> - IP66 ATEX-approved, type "EGS", <b>EGW</b> - windowed ATEX-approved, type "EGW", <b>EX</b> - explosion-proof instrument housing (specify!)	
G1	Number of thermocouples	<b>1</b> or <b>2</b>	
G2	Thermocouple	<b>J</b> - type "J", <b>K</b> - type "K", <b>N</b> - type "N", <b>E</b> - type "E", <b>L</b> - type "L", <b>S</b> - type "S", <b>R</b> - type "R"	
G3	Temperature range	<b>T3</b> - 0...850 °C, <b>T4</b> - 0...800 °C, <b>T6</b> - 0...1200 °C <sup>(7)</sup> , <b>T13</b> - 0...1000 °C, <b>T16</b> - 0...1100 °C	
G4	Diameter 'd' [mm]	normal T/C	<b>6, 8, 10, 12, 14, 16, 20</b>
		MI T/C	<b>4.5, 6, 8, 10</b>
G6	Probe length 'n' [mm] <sup>(1)</sup>	<b>50...3000</b>	
G7	Probe length 'm' [mm] <sup>(2)</sup>	<b>0...1500</b>	
G9'	Mounting connection	<b>X</b> - no mounting appliances, <b>Q0</b> - M16x1.5, <b>Q1</b> - M18x1.5, <b>Q2</b> - M20x1.5, <b>Q3</b> - G3/8", <b>Q4</b> - G1/2", <b>Q5</b> - M27x2, <b>Q6</b> - G3/4", <b>Q9</b> - 3/8" NPT, <b>Q10</b> - 1/2" NPT, <b>Q11</b> - 3/4" NPT, <b>Q12</b> - G1", <b>Q15</b> - 1" NPT, <b>Q25</b> - M33x2, <b>Uxx</b> - union nut (xx - same as for Qxx), <b>F</b> - flange (specify!), <b>Z</b> - other connection (specify!)	
G9"	Compression fitting ferrule <sup>(3)</sup>	<b>TF</b> - Teflon®, <b>BR</b> - brass, <b>SS</b> - stainless steel	
G10	Sheath material	normal T/C	<b>M2</b> - 1.4541, <b>M3</b> - 1.4571, <b>M4</b> - 1.4762, <b>M5</b> - 1.4841, <b>M6</b> - 1.4845, <b>M7</b> - 1.4876, <b>M8</b> - 2.4816, <b>M9</b> - 1.4404, <b>M15</b> - 1.4362
		MI T/C	<b>M2</b> - 1.4541, <b>M3</b> - 1.4571, <b>M4</b> - 1.4762 (1.4749), <b>M5</b> - 1.4841, <b>M7</b> - 1.4876 (Incolloy 800), <b>M8</b> - 2.4816 (Inconel 600), <b>M9</b> - 1.4404, <b>M10</b> - Microbell®
G11	Accuracy class	<b>1</b> - '1' <sup>(7)</sup> , <b>2</b> - '2'	
G14	Tip shape (hot junction)	<b>X</b> - standard (isolated from sheath), <b>G</b> - grounded, <b>E</b> - exposed hot junction <sup>(4)</sup> , <b>O</b> - open-tube design <sup>(4)</sup>	
#1	Options	<b>X</b> - none, <b>OV</b> - vibration proof (spring-type terminals <sup>(7)</sup> , secured screws), <b>OT</b> - thermal isolation <sup>(5)</sup> , <b>OP</b> - electrochemically polished sheath surface	
#2	Local indicator	<b>X</b> - none, <b>A</b> - local indicator mounted <sup>(6)</sup>	

<sup>(1)</sup> 'n+m' for BTS(O)C3 and BTS(O)C4!

<sup>(2)</sup> Only for BTS(O)C1 and BTS(O)C2!

<sup>(3)</sup> Only for BTS(O)C4!

<sup>(4)</sup> Only for non-explosion-proof thermocouples!

<sup>(5)</sup> Only for BTS(O)C!

<sup>(6)</sup> With windowed head only! See indicator datasheets and order separately!

<sup>(7)</sup> Contact BASI!