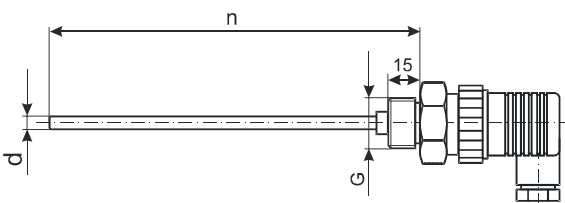
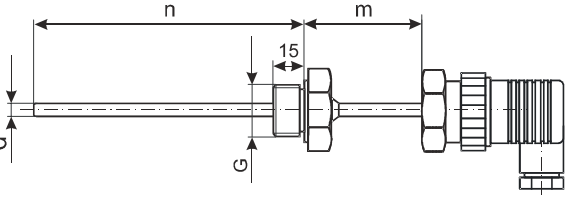
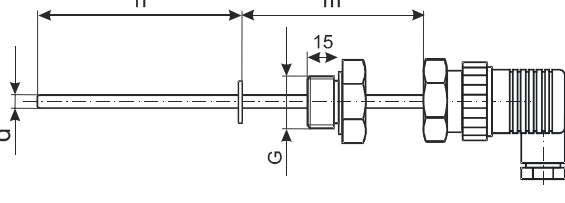
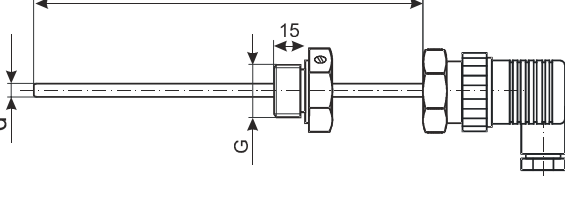
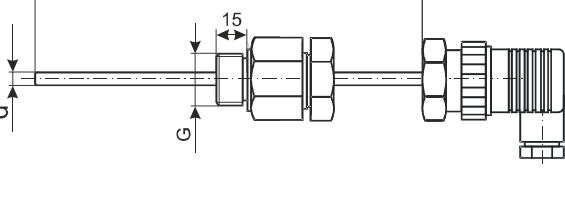


RTD PROBE WITH DETACHABLE CONNECTOR Kx (BTSKx) Sheath - stainless steel (see Appendix - Sheath materials) Connector - IP65/68 (see Appendix - Sensor connectors)	SENSITIVE ELEMENT	TEMPERATURE RANGE	DIMENSIONS		
			n [mm]	d [mm]	wires
DESIGN WITHOUT EXTENSION (K) 	1 x Pt (RB,RD,RF,RG) T9 -50...200 °C T1 -50...400 °C T11* -50...600 °C T2* -200...600 °C T4* -0...800 °C		50...200	4	2
			50...500	5	2, 3*
			50...1500	6	2, 3, 4*
			50...3000	8, 10, 12, 14, 16	2, 3, 4
			50...2000	6*, 8, 10	2x2
EXTENDED DESIGN WITH WELDED CONNECTION (K1) 	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	2x2(3)* 3x2*
EXTENDED DESIGN WITH MOVABLE CONNECTION (K2) 	2 x Cu (RH, RK) T9 -50...200 °C		50...1500	6	2, 3, 4*
			50...3000	8, 10, 12, 14, 16	2x2(3)*
DESIGN WITH ADJUSTABLE CONNECTION (K3) 			50...1500	6	2, 3, 4*
			50...3000	8, 10, 12, 14, 16	2x2(3)*
DESIGN WITH GLAND-TYPE CONNECTION (K4) 			50...1500	6	2, 3, 4*
			50...3000	8, 10, 12, 14, 16	2x2(3)*

Detachable wiring connector:
C1, C7, C8 (see Appendix - Sensor connectors)

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
 - no mounting appliances

Extension length:
 m = 0...1500 mm (w/o spring-loaded adapter)
 m = m1...1500 mm (w/ spring-loaded adapter)

Extension diameter: (for TSK1 and TSK2 only, [mm])

Ext. length 'm'	Probe diameter 'd'				
	4 mm	5, 6 mm	8 mm	10 mm	10+ mm
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

Tip shape:
standard, narrowed, pitted (see Appendix - Tip shapes)

Process pressure:

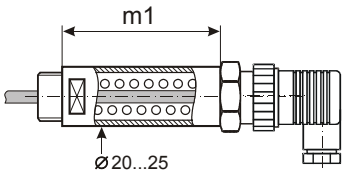
Probe design	K, K1	K2	K4	K3
Max. pressure *	25 bar	16 bar	6 bar	0 bar

Sheath material:
1.4301(M1), 1.4404(M9), 1.4541(M2), 1.4571(M3), 1.4362 (M15)

Wire material:
Cu, Ni, or Ag

Accuracy class:
'A', 'B', or '2xB' (see Appendix - RTD Tolerance)

Spring-loaded adapter:
(mounted between probe and connector) **



m1 = 60...100 mm

* Please contact BASI!

** For non-pressurized applications only!

temperature probes

Ordering code BTSK(1,2,3,4) - 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 ⁽⁷⁾
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, 12, 14, 16
G6	Probe length 'n' [mm] ⁽²⁾	50...3000 (see table overleaf)
G7	Probe length 'm' [mm] ⁽³⁾	0...1500 (m1...1500 with 'OA' option)
G9'	Mounting connection	X - no mounting appliances, 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 ⁽⁴⁾	TF - Teflon®, BR - brass, SS - stainless steel
G10	Sheath material	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404, M15 - 1.4362
G11	Accuracy class ⁽⁵⁾	A - 'A', B - 'B', C - '2xB'
G12	Number of wires	2, 3, 4 ⁽⁷⁾
G13	Wire material ⁽⁵⁾	CU - copper, NI - nickel, AG - silver
G14	Tip shape	X - standard closed, N - narrowed, P - pitted
G15	Wiring connector	C1 - M12 detachable 4-pin connector (IP68), C7 - DIN 43650 detachable 4-pin connector (IP65), C8 - DIN 43651 detachable 6-pin connector (IP65)
#1	Options	X - none, OV - vibration proof (MgO or Silicone filled, secured screws), OA - spring-loaded adapter ⁽⁶⁾ , OP - electrochemically polished sheath surface

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

⁽²⁾ 'n+m' for BTSK3 and BTSK4!

⁽³⁾ Only for BTSK1 and BTSK2!

⁽⁴⁾ Only for BTSK4!

⁽⁵⁾ Only for Pt sensors!

⁽⁶⁾ Only for BTSK!

⁽⁷⁾ Contact BASI!