

BIMETAL-POINTER-THERMOMETER



Chemical version acc. to EN 13190

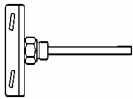


Bayonet case

IP 65

With or without filling



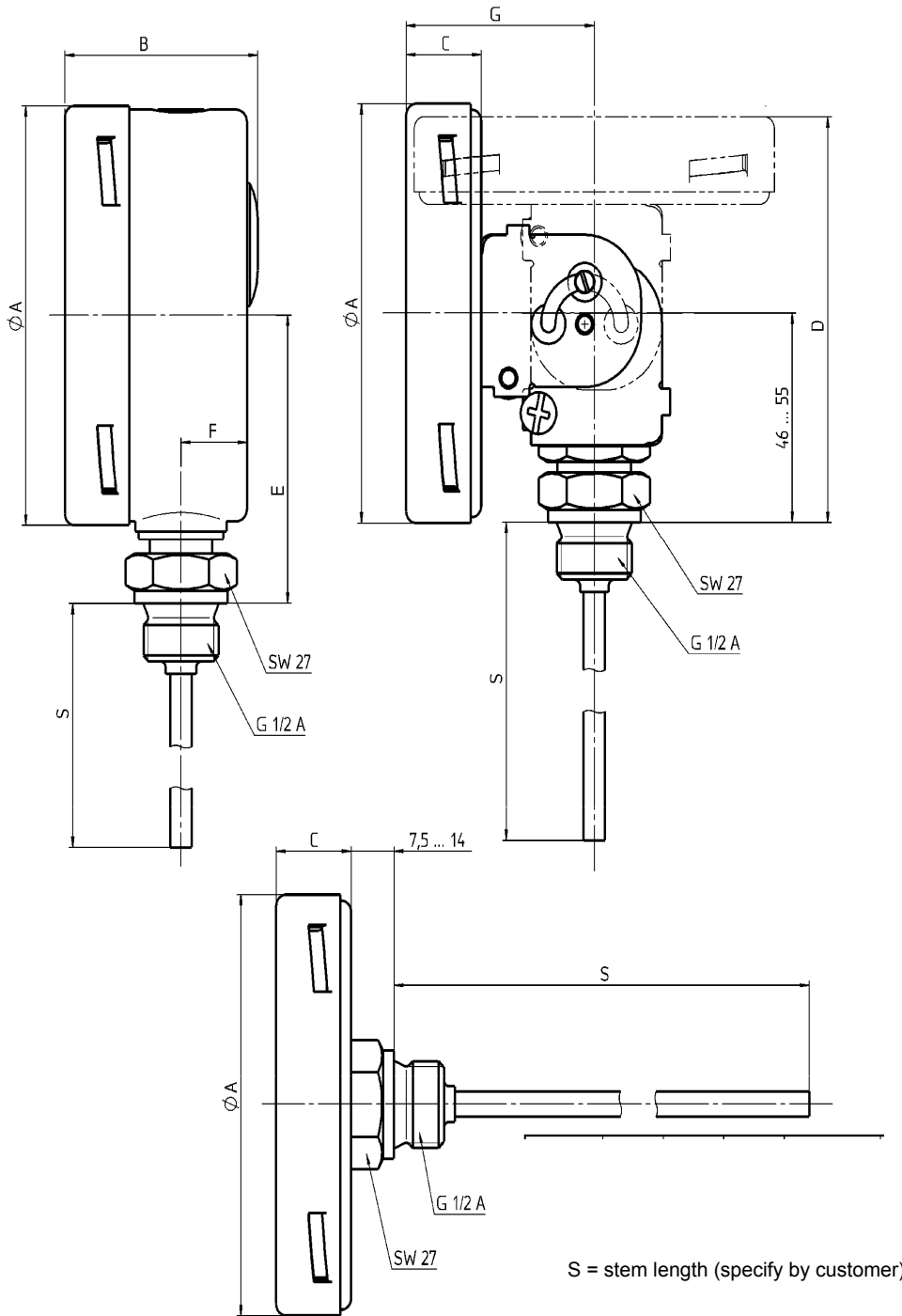
Suitable for chemical and petrochemical industry, food, pulp and paper industry and for machine and apparatus construction.

Type	B11	B12	B13	Options
Diameter	63, 100, 160			
Symbol				with contact
Connection	back	bottom	every angle (rotatable)	
Accuracy class	cl. 1 (without filling) / cl. 2 (with filling)			
Measuring ranges °C	0/50, 0/60, 0/80, 0/100, 0/120, 0/150, 0/160, 0/200, 0/250, 0/300, 0/400, 0/500, 10/150, 50/300, 50/450, 100/500, -10/50, -10/110, -20/40, -20/60, -20/160, -20/180, -25/25, -30/50, -30/70, -30/170, -40/40, -40/60, -40/100, -40/160, -50/50			Further on request Dualscale
	in bold type = min. stemlength 100 mm			
Applications	Constant load: full scale, short time up to 1 h; 1.1 of full scale			
Case / ring	Bayonet case, stainless steel, 1.4301 (304)			1.4571 on request
Window	Instrument glass			Acrylic glass, safety glass
Measuring element	Bimetal coil			
Plain stem	Dia. 8 mm, stainless steel 1.4571			diam. 6 mm
Stem length	63 up to 400 mm, minimum length depends on measuring range			On request
Extension tube	Over 300°C meaningful			
Process connection	Without thread G 1/2 A male, G1/2 female, 1/2 NPT male or 1/2 NPT female G 3/4 A male, G 3/4 female, 3/4 NPT male or 3/4 NPT female G 1 A male, G 1 female, 1 NPT male or 1 NPT female fixed, adjustable or with swivel nut			Other on request
Filling	Silicone, not for lower connection, max. range up to 300°C			
Protection	IP 65 according EN 60 529/IEC 529			
Working press.	max. 25 bar on plain stem (above 25 bar use a thermowell)			
Additional Equipment				Marker pointer

Dimension in mm

Dia	A	B	C	D	E	F	G
100 mm	101	54	21	94...103	65...73	18,5	53
160 mm	162	53	28	101...110	95...101	17	60

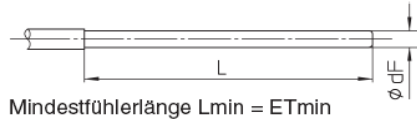
Drawings [mm]



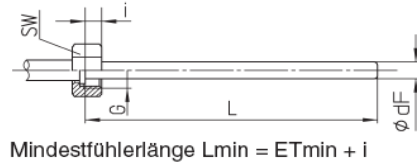
Sensor types and connection:



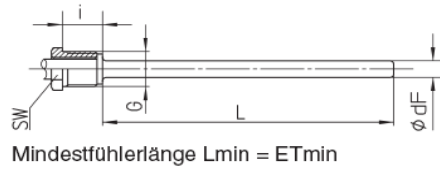
Plain stem



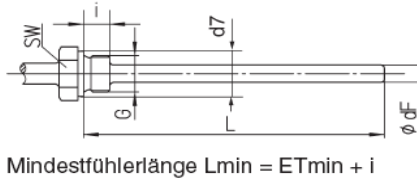
Turnable union nut



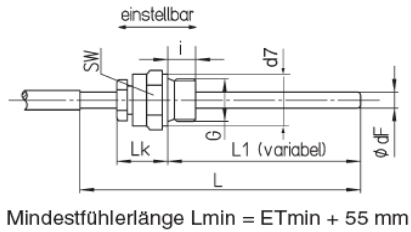
Turnable male connection



Rigid male connection thread



Clamping ring connection, Fitting adjustable on stem



Indication ranges/Measuring ranges, Limits of error, Minimum immersion length stem

Nominal ranges °C	Measuring ranges °C	Scale subdivision °C	Max. error °C	Minimum immersion length stem, ETmin	
				∅ 6 mm	∅ 8 mm
-20 / +40	-10 / +30	1	1	70	60
-20 / +60	-10 / +50	1	1	60	40
-30 / +50	-20 / +40	1	1	60	40
-40 / +40	-30 / +30	1	1	60	40
-40 / +60	-20 / +50	1	1	40	40
0 - 60	10 - 50	1	1	70	60
0 - 80	10 - 70	1	1	60	40
0 - 100	10 - 90	1	1	40	40
0 - 120	10 - 100	2	2	40	40
0 - 160	20 - 140	2	2	40	40
0 - 200	20 - 180	2	2	40	40
0 - 250	30 - 220	2	2,5	40	40
0 - 300	30 - 270	5	5	40	40
0 - 400	50 - 350	5	5	40	40
0 - 500	50 - 450	5	5	40	40