Bimetal standard thermometer BiTh ST



Benefits

- Ranges:-20/+60, 0/60, 0/120, 0/160 °C
- Brass thermowell
- Stem brass or aluminium

Application

Heating, plumbing

Technical specifications

Nominal size
50 – 63 – 80 – 100

Measuring element
Bimetal helix

Accuracy class
2 (EN 13190)

Ranges °C
-20/+60, 0/60, 0/120, 0/160

Application area
Full scale value

Operating pressure at thermowell
Max. 6 bar

Standard version

Connection

Stem:	Brass or aluminium, ∅ 9 mm
Thermowell:	G½B, brass or aluminium, ∅ 9 mm
Thermowell:	(removable (with locking screw for 160 °C and higher))

Mounting position
Centre back or bottom

Dial

Up to 120 °C:	Plastic, white
≥ 160 °C:	Aluminium, white

Scaling black

Pointer
Plastic, black

Housing
Sheet steel, galvanised

Push on bezel
Sheet steel, nickel-plated

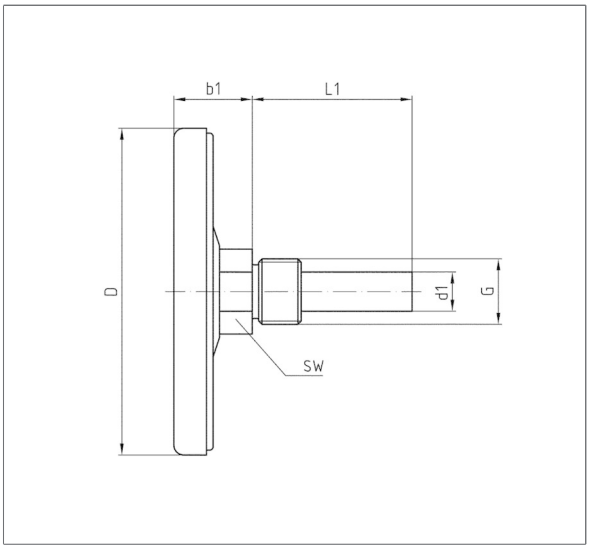
Window
Plastic

Options

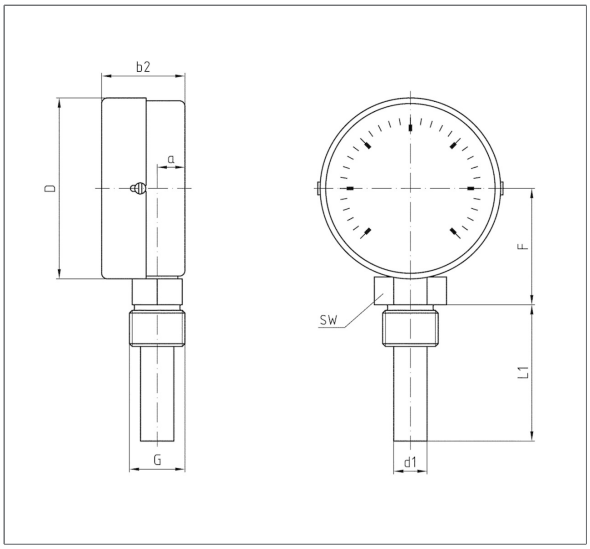
- Other ranges
- Nominal size 34, 160

Technical drawings

Centre back connection



Bottom connection



Dimensions (mm)

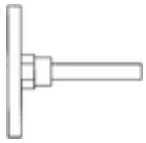
NG	b1	D	d1	G	L1	SW
50	18	50	12	G½B	40	19/22
50	18	50	12	G½B	63	19/22
50	18	50	12	G½B	100	19/22
50	18	50	12	G½B	150	19/22
63	20	63	12	G½B	40	19/22
63	20	63	12	G½B	63	19/22
63	20	63	12	G½B	100	19/22
63	20	63	12	G½B	150	19/22
80	21	80	12	G½B	40	19/22
80	21	80	12	G½B	63	19/22
80	21	80	12	G½B	100	19/22
80	21	80	12	G½B	150	19/22
80	21	80	12	G½B	200	19/22
100	23,7	100	12	G½B	40	19/22
100	23,7	100	12	G½B	63	19/22
100	23,7	100	12	G½B	100	19/22
100	23,7	100	12	G½B	150	19/22
100	23,7	100	12	G½B	200	19/22
160	22	160	12	G½B	40	19/22
160	22	160	12	G½B	63	19/22
160	22	160	12	G½B	100	19/22
160	22	160	12	G½B	150	19/22

Dimensions (mm)

NG	a	b2	D	d1	F	G	L1	SW
63	10	35	63	12	29,3	G½B	40	19/22
63	10	35	63	12	29,3	G½B	63	19/22
63	10	35	63	12	29,3	G½B	100	19/22
63	10	35	63	12	29,3	G½B	150	19/22
80	10	33	80	12	47,3	G½B	40	19/22
80	10	33	80	12	47,3	G½B	63	19/22
80	10	33	80	12	47,3	G½B	100	19/22
80	10	33	80	12	47,3	G½B	150	19/22
100	10	40,5	100	12	59,3	G½B	40	19/22
100	10	40,5	100	12	59,3	G½B	63	19/22
100	10	40,5	100	12	59,3	G½B	100	19/22
100	10	40,5	100	12	59,3	G½B	150	19/22

Versions

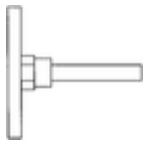
BiTh 50 ST



Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
50 mm	Centre back	0/60 °C	40 mm	BiTh 50 ST	64027B
50 mm	Centre back	0/60 °C	63 mm	BiTh 50 ST	64028B
50 mm	Centre back	0/60 °C	100 mm	BiTh 50 ST	64029B
50 mm	Centre back	0/60 °C	150 mm	BiTh 50 ST	64030B
50 mm	Centre back	0/120 °C	40 mm	BiTh 50 ST	64031B
50 mm	Centre back	0/120 °C	63 mm	BiTh 50 ST	64032B
50 mm	Centre back	0/120 °C	100 mm	BiTh 50 ST	64033B
50 mm	Centre back	0/120 °C	150 mm	BiTh 50 ST	64034B

Blue part no. = in-stock items

BiTh 63 ST



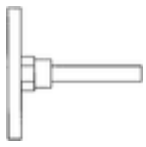
Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
63 mm	Centre back	-20/+60 °C	40 mm	BiTh 63 ST	63951
63 mm	Centre back	-20/+60 °C	63 mm	BiTh 63 ST	63952
63 mm	Centre back	-20/+60 °C	100 mm	BiTh 63 ST	63953
63 mm	Centre back	-20/+60 °C	150 mm	BiTh 63 ST	63954
63 mm	Centre back	0/60 °C	40 mm	BiTh 63 ST	63860
63 mm	Centre back	0/60 °C	63 mm	BiTh 63 ST	63861
63 mm	Centre back	0/60 °C	100 mm	BiTh 63 ST	63862
63 mm	Centre back	0/60 °C	150 mm	BiTh 63 ST	63864
63 mm	Centre back	0/120 °C	40 mm	BiTh 63 ST	63801
63 mm	Centre back	0/120 °C	63 mm	BiTh 63 ST	63802
63 mm	Centre back	0/120 °C	100 mm	BiTh 63 ST	63803
63 mm	Centre back	0/120 °C	150 mm	BiTh 63 ST	63804
63 mm	Centre back	0/160 °C	40 mm	BiTh 63 ST	63983
63 mm	Centre back	0/160 °C	63 mm	BiTh 63 ST	63984
63 mm	Centre back	0/160 °C	100 mm	BiTh 63 ST	63985

Blue part no. = in-stock items

	Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
	63 mm	Centre back	0/160 °C	150 mm	BiTh 63 ST	63986
	63 mm	Bottom	-20/+60 °C	40 mm	BiTh 63 ST	64039
	63 mm	Bottom	-20/+60 °C	63 mm	BiTh 63 ST	64040
	63 mm	Bottom	-20/+60 °C	100 mm	BiTh 63 ST	64041
	63 mm	Bottom	-20/+60 °C	150 mm	BiTh 63 ST	64042
	63 mm	Bottom	0/60 °C	40 mm	BiTh 63 ST	64043
	63 mm	Bottom	0/60 °C	63 mm	BiTh 63 ST	64044
	63 mm	Bottom	0/60 °C	100 mm	BiTh 63 ST	64045
	63 mm	Bottom	0/60 °C	150 mm	BiTh 63 ST	64046
	63 mm	Bottom	0/120 °C	40 mm	BiTh 63 ST	64047
	63 mm	Bottom	0/120 °C	63 mm	BiTh 63 ST	64048
	63 mm	Bottom	0/120 °C	100 mm	BiTh 63 ST	64049
	63 mm	Bottom	0/120 °C	150 mm	BiTh 63 ST	64050

Blue part no. = in-stock items

BiTh 80 ST

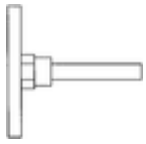
	Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
	80 mm	Centre back	-20/+60 °C	40 mm	BiTh 80 ST	63955
	80 mm	Centre back	-20/+60 °C	63 mm	BiTh 80 ST	63956
	80 mm	Centre back	-20/+60 °C	100 mm	BiTh 80 ST	63957
	80 mm	Centre back	-20/+60 °C	150 mm	BiTh 80 ST	63958
	80 mm	Centre back	0/60 °C	40 mm	BiTh 80 ST	63865
	80 mm	Centre back	0/60 °C	63 mm	BiTh 80 ST	63866
	80 mm	Centre back	0/60 °C	100 mm	BiTh 80 ST	63867
	80 mm	Centre back	0/60 °C	150 mm	BiTh 80 ST	63868
	80 mm	Centre back	0/120 °C	40 mm	BiTh 80 ST	63806
	80 mm	Centre back	0/120 °C	63 mm	BiTh 80 ST	63807
	80 mm	Centre back	0/120 °C	100 mm	BiTh 80 ST	63808
	80 mm	Centre back	0/120 °C	150 mm	BiTh 80 ST	63809
	80 mm	Centre back	0/120 °C	200 mm	BiTh 80 ST	63842

Blue part no. = in-stock items

	Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
	80 mm	Centre back	0/160 °C	40 mm	BiTh 80 ST	63987
	80 mm	Centre back	0/160 °C	63 mm	BiTh 80 ST	63988
	80 mm	Centre back	0/160 °C	100 mm	BiTh 80 ST	63989
	80 mm	Centre back	0/160 °C	150 mm	BiTh 80 ST	63990
	80 mm	Bottom	-20/+60 °C	40 mm	BiTh 80 ST	64055
	80 mm	Bottom	-20/+60 °C	63 mm	BiTh 80 ST	64056
	80 mm	Bottom	-20/+60 °C	100 mm	BiTh 80 ST	64057
	80 mm	Bottom	-20/+60 °C	150 mm	BiTh 80 ST	64058
	80 mm	Bottom	0/60 °C	40 mm	BiTh 80 ST	64059
	80 mm	Bottom	0/60 °C	63 mm	BiTh 80 ST	64060
	80 mm	Bottom	0/60 °C	100 mm	BiTh 80 ST	64061
	80 mm	Bottom	0/60 °C	150 mm	BiTh 80 ST	64062
	80 mm	Bottom	0/120 °C	40 mm	BiTh 80 ST	64063
	80 mm	Bottom	0/120 °C	63 mm	BiTh 80 ST	64064
	80 mm	Bottom	0/120 °C	100 mm	BiTh 80 ST	64067
	80 mm	Bottom	0/120 °C	150 mm	BiTh 80 ST	64068

Blue part no. = in-stock items

BiTh 100 ST

	Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
	100 mm	Centre back	-20/+60 °C	40 mm	BiTh 100 ST	63959
	100 mm	Centre back	-20/+60 °C	63 mm	BiTh 100 ST	63960
	100 mm	Centre back	-20/+60 °C	100 mm	BiTh 100 ST	63961
	100 mm	Centre back	-20/+60 °C	150 mm	BiTh 100 ST	63962
	100 mm	Centre back	0/60 °C	40 mm	BiTh 100 ST	63869
	100 mm	Centre back	0/60 °C	63 mm	BiTh 100 ST	63870
	100 mm	Centre back	0/60 °C	100 mm	BiTh 100 ST	63871
	100 mm	Centre back	0/60 °C	150 mm	BiTh 100 ST	63872
	100 mm	Centre back	0/120 °C	40 mm	BiTh 100 ST	63811
	100 mm	Centre back	0/120 °C	63 mm	BiTh 100 ST	63812

Blue part no. = in-stock items

	Housing ⌀	Mounting position	Range	Stem length	Type	Part no.
	100 mm	Centre back	0/120 °C	100 mm	BiTh 100 ST	63813
	100 mm	Centre back	0/120 °C	150 mm	BiTh 100 ST	63814
	100 mm	Centre back	0/120 °C	200 mm	BiTh 100 ST	63815
	100 mm	Centre back	0/160 °C	40 mm	BiTh 100 ST	64015
	100 mm	Centre back	0/160 °C	63 mm	BiTh 100 ST	64016
	100 mm	Centre back	0/160 °C	100 mm	BiTh 100 ST	64017
	100 mm	Centre back	0/160 °C	150 mm	BiTh 100 ST	64018
	100 mm	Bottom	-20/+60 °C	40 mm	BiTh 100 ST	64073
	100 mm	Bottom	-20/+60 °C	63 mm	BiTh 100 ST	64074
	100 mm	Bottom	-20/+60 °C	100 mm	BiTh 100 ST	64075
	100 mm	Bottom	-20/+60 °C	150 mm	BiTh 100 ST	64076
	100 mm	Bottom	0/60 °C	40 mm	BiTh 100 ST	64077
	100 mm	Bottom	0/60 °C	63 mm	BiTh 100 ST	64078
	100 mm	Bottom	0/60 °C	100 mm	BiTh 100 ST	64079
	100 mm	Bottom	0/60 °C	150 mm	BiTh 100 ST	64080
	100 mm	Bottom	0/120 °C	40 mm	BiTh 100 ST	64081
	100 mm	Bottom	0/120 °C	63 mm	BiTh 100 ST	64082
	100 mm	Bottom	0/120 °C	100 mm	BiTh 100 ST	64083
	100 mm	Bottom	0/120 °C	150 mm	BiTh 100 ST	64084

Blue part no. = in-stock items