

Bimetal thermometers for heating and plumbing applications



Application

Heating, plumbing, distribution systems and underfloor heating manifolds

Nominal size

40

Measuring element

Bimetal spiral

Accuracy class

2 (EN 13190)

Ranges

0/60 °C

Working temperature

Full scale value

Operating pressure

No pressure

Standard version

Connection

Plastic, push-in, Ø 15 mm, no pocket

Mounting position

Centre back

Dial

Plastic, white – dial marking black

Pointer

Plastic, black

Housing

ABS, white

Front glass

Clip-in plastic



Application

Heating, plumbing, distribution systems and underfloor heating manifolds

Nominal size

50

Measuring element

Bimetal helix

Accuracy class

2 (EN 13190)

Ranges

0/60 °C

Working temperature

Full scale value

Operating pressure at pocket

Max. 6 bar

Standard version

Connection

Stem plastic, Ø 9 mm, pocket G¹/₂B, plastic, removable

Mounting position

Centre back

Dial

Plastic, white - dial marking black

Pointer

Plastic, black

Housing

ABS, white

Front glass

Clip-in plastic



Application

Heating, plumbing

Nominal size

63 – 80 – 100

Measuring element

Bimetal helix

Accuracy class

2 (EN 13190)

Ranges

-20/+60, 0/60, 0/120 °C

Working temperature

Full scale value

Operating pressure at pocket

Max. 6 bar

Standard version

Connection

Brass stem, Ø 9 mm, brass pocket G¹/₂B, removable, stem length 40 mm optional self-sealing thread with PTFE sealing ring

Mounting position

Centre back
(NG 63 optionally bottom back)

Dial

Plastic, white – dial marking black

Pointer

Plastic, black

Housing

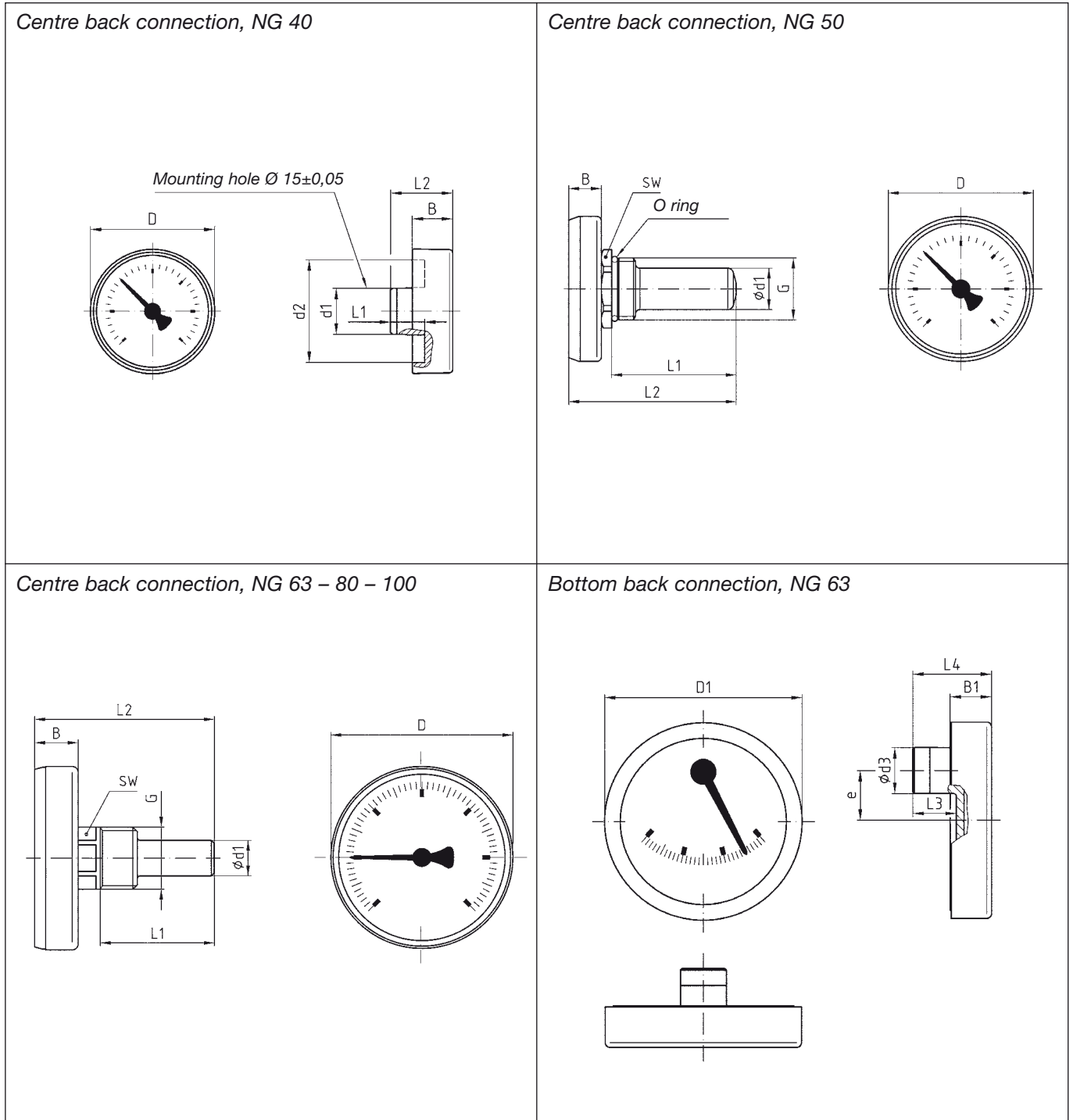
ABS, black

Front glass

Clip-in plastic

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Housing types and dimensions


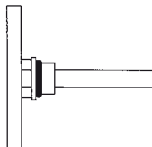
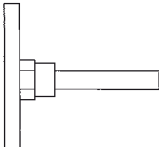
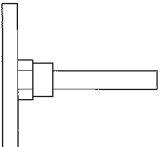
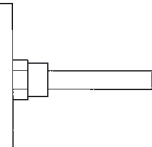


Dimensions (mm)

Nominal size (NG)	B	B ₁	D	D ₁	d ₁	d ₂	d ₃	e	G	L ₁	L ₂	L ₃	L ₄	SW
40	13	-	40	-	14.8	33	-	-	-	11	50	-	-	-
50	11	-	49	-	14	-	-	-	G ¹ / ₂ B	42	56.5	-	-	24
63	14.7	13	62	63.5	12	-	14.8	16	G ¹ / ₂ B	40/63/100/150	61/85/122/172	14	25	19
80	14.3	-	79	-	12	-	-	-	G ¹ / ₂ B	40/63/100/150	61/85/122/172	-	-	19
100	15	-	100	-	12	-	-	-	G ¹ / ₂ B	40/63/100/150	61/85/122/172	-	-	19

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DG: G

Type	BiTh 40 K	BiTh 50 K	BiTh 63 K	BiTh 80 K	BiTh 100 K					
Version										
Housing-Ø	40	50	63	80	100					
Housing	ABS, white	ABS, white	ABS, black, clip-in plastic front glass							
Stem	Plastic, Ø 15 mm	Plastic, Ø 9 mm	Brass, Ø 9 mm							
Connection	Plastic, plug-on, no thermowell	Thermowell G ¹ / ₂ B, plastic	Thermowell G ¹ / ₂ B, brass, outside Ø 12 mm, removable							
Accuracy class	Class 2 according to EN 13190									
Range	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C					
Stem length	PU*		Price € Part no.	PU*	Price € Part no.	PU*	Price € Part no.	PU*		
40 mm	---	---	63763	100	63776	100	63676	50		
63 mm	---	---	63769	100	63777	100	63677	50		
100 mm	---	---	63770	100	63778	50	63678	50		
150 mm	---	---	63771	50	63779	40	63679	25		
Range	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C		
Stem length	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.		
40 mm	64066	100	63749	100	63760	100	63765	100	63698	50
63 mm	(refer to drawing for stem)	---	---	100	63761	100	63766	100	63699	50
100 mm	---	---	---	100	63762	100	63767	50	63700	50
150 mm	---	---	---	50	63764	50	63768	40	63701	25
Range	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C		
Stem length	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.		
40 mm with PTFE sealing ring	---	---	---	100	63702	100	63706	100	63684	50
40 mm	---	---	---	100	63704	100	63708	100	63997	50
63 mm	---	---	---	100	63710	100	63715	100	63695	50
100 mm	---	---	---	100	63711	100	63716	50	63696	50
150 mm	---	---	---	50	63714	50	63717	40	63697	25
200 mm	---	---	---	---	---	---	---	---	63671	10

Spare thermowells

Connection G ¹ / ₂ B, brass		
Stem length	Part no.	Price
40 mm with PTFE sealing ring	63685	
40 mm	63856	
63 mm	63686	
100 mm	63687	
150 mm	63688	

* Minimum ordering quantity 1 PU (packing unit)
Delivery only in packing units