

Bimetal standard thermometers/surface mount thermometers/flue gas thermometers



Bimetal standard thermometers

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 plastic, brass or aluminium, Ø 9 mm
Thermowell G½B, brass, removable (160 °C and higher with locking screw)

Mounting position
NG 50 – 63 – 80 – 100
NG 63 – 80 – 100 bottom

Dial
Up to 120 °C plastic, greater than 160 °C aluminium, white
Dial marking black

Pointer
Plastic, black

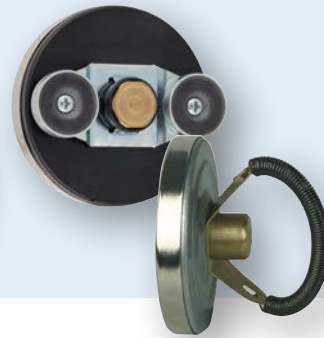
Housing
Sheet steel galvanised

Push on bezel
Sheet steel nickel-plated

Window
Plastic

Options

- Other ranges
- Nominal size 34, 160



Surface mount thermometer ATH

Heating, ventilation and plumbing. Fastening by means of spring (ATH Ø F), magnet (ATH Ø M) or universal clamp (ATH Ø S)

Nominal size
63 – 80

Measuring element
Bimetal spiral

Ranges °C
-20/+40, 0/60, 0/120

Application area
Full scale value

Connection
ATH Ø F: With heat-conducting element and universal clamp;
ATH Ø S with universal clamp for pipes 3/8" to 1 1/2".
ATH Ø M: 2 x magnet Ø20 mm

Mounting position
NG 63 – 80 centre back

Dial
Plastic, white;
dial marking black

Pointer
Plastic, black

Housing
ATH Ø F: Sheet steel, galvanised
ATH Ø M: Plastic, black
ATH Ø S: Sheet steel, galvanised

Push on bezel
Sheet steel nickel-plated

Window
Plastic

Options

- Other ranges
- Plastic housing



Flue gas-thermometer RT / flue gas temperature controller RTC

Flue gas thermometer RT and flue gas temperature controller RTC for gas and oil fired systems

Nominal size
80

Measuring element
Bimetal helix

Ranges °C
RT: 0/300, 0/500
RTC: 0/350

Application area
Full scale value

Connection
RT: Stem stainless steel 316 L, plain, with adjustable cone, brass
RTC: Stem stainless steel 316 L, plain, with ring magnet bracket

Mounting position: centre back

Dial
Aluminium, grey – dial marking black; RTC with green and red reference zones

Pointer
Aluminium, black
RTC with additional max. pointer, red

Housing
Sheet steel galvanised

Push on bezel
Sheet steel nickel-plated

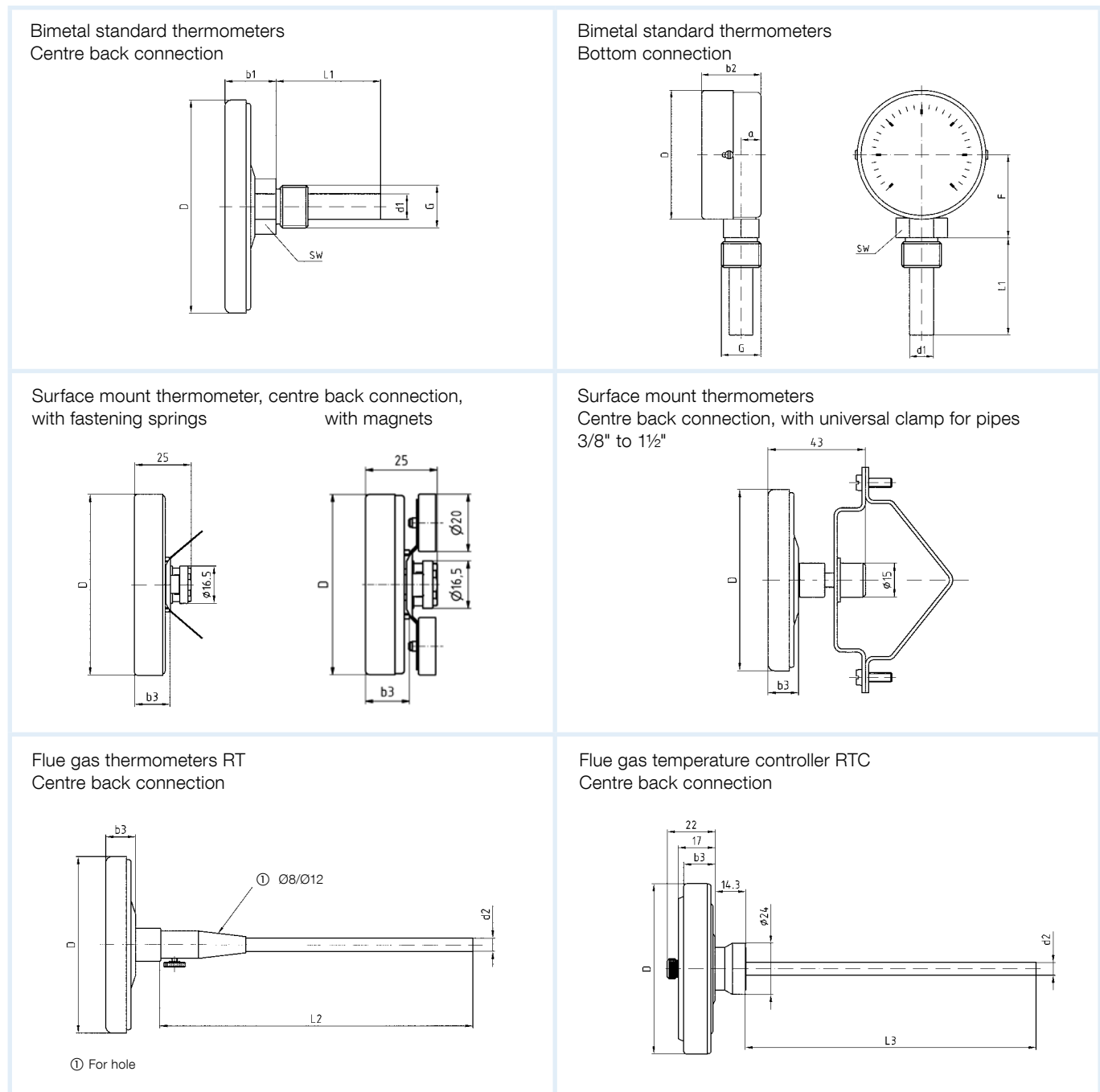
Window
Plastic



See page 357 for prices.

Bimetal standard thermometers/surface mount thermometers/flue gas thermometers

Housing types and dimensions (mm)



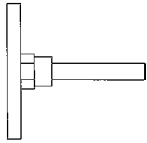
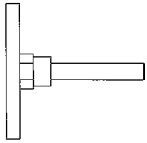
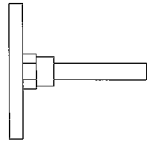
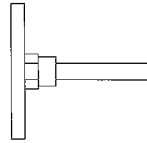
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Dimensions (mm)

Nominal size (NG)	a	b1	b2	b3	D	d1	d2	F	G	L1	L2	L3	SW
50	-	18	-	-	50	12	-	-	G1/2B	40	141 191 291	86 136	19/22
63	10	20	35	15	63	12	-	29.3	G1/2B	63			19/22
80	10	21	33	15	80	12	6	47.3	G1/2B	100			19/22
100	10	23.7	40.5	-	100	12	-	59.3	G1/2B	150			19/22

Bimetal standard thermometers

DG: G, PG: 2

Type	BiTh 50 ST	BiTh 63 ST	BiTh 80 ST	BiTh 100 ST
Version				
Housing Ø	50	63	80	100
Housing	Sheet steel galvanised, push on bezel nickel-plated, plastic window			
Stem	Plastic, brass or aluminium, Ø 9 mm			
Connection	Thermowell G½B, brass, Ø 12 mm outside, removable*			
Accuracy class	Class 2 as per EN 13190			
Range	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C
Stem length		Price € Part no.	Price € Part no.	Price € Part no.
40 mm	---	63951	63955	63959
63 mm	---	63952	63956	63960
100 mm	---	63953	63957	63961
150 mm	---	63954	63958	63962
Range	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.
40 mm	64027B	63860	63865	63869
63 mm	64028B	63861	63866	63870
100 mm	64029B	63862	63867	63871
150 mm	64030B	63864	63868	63872
Range	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.
40 mm	64031B	63801	63806	63811
63 mm	64032B	63802	63807	63812
100 mm	64033B	63803	63808	63813
150 mm	64034B	63804	63809	63814
200 mm	---	---	63842	63815
Range	0/160 °C	0/160 °C**	0/160 °C**	0/160 °C**
Stem length		Price € Part no.	Price € Part no.	Price € Part no.
40 mm	---	63983***	63987	64015
63 mm	---	63984	63988	64016
100 mm	---	63985	63989	64017
150 mm	---	63986	63990	64018

Minimum order quantity for non-stock items = 25 pieces.

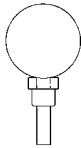
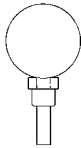
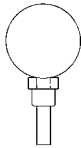
* NG 50 with O ring clamp connection

** 160 °C and higher = Thermowell with locking screw

*** Dial red = Part no. **63674**; extra charge € / Dial blue = Part no. **63675**; extra charge €

Bimetal standard thermometers

DG: H, PG: 2

Type	BiTh 63 ST	BiTh 80 ST	BiTh 100 ST
Version			
Housing Ø	63	80	100
Housing	Sheet steel galvanised, push on bezel nickel-plated, plastic window		
Stem	Brass or aluminium, Ø 9 mm		
Connection	Thermowell G½B, brass, Ø 12 mm outside, removable		
Accuracy class	Class 2 as per EN 13190		
Range	-20/+60 °C	-20/+60 °C	-20/+60 °C
Stem length	Price € Part no.	Price € Part no.	Price € Part no.
40 mm	64039	64055	64073
63 mm	64040	64056	64074
100 mm	64041	64057	64075
150 mm	64042	64058	64076
Range	0/60 °C	0/60 °C	0/60 °C
Stem length	Price € Part no.	Price € Part no.	Price € Part no.
40 mm	64043	64059	64077
63 mm	64044	64060	64078
100 mm	64045	64061	64079
150 mm	64046	64062	64080
Range	0/120 °C	0/120 °C	0/120 °C
Stem length	Price € Part no.	Price € Part no.	Price € Part no.
40 mm	64047	64063	64081
63 mm	64048	64064	64082
100 mm	64049	64067	64083
150 mm	64050	64068	64084

Minimum order quantity for non-stock items = 10 pieces.

Spare thermowells

DG: G, PG: 2

Connection G½B, brass (only for bottom connection)		
Stem length	Part no.	Price €
40 mm	63850	
63 mm	63851	
100 mm	63852	
150 mm	63853	