

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 G $\frac{1}{2}$ B, 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

See page 336 for prices.



Surface mount thermometers

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
0/60, 0/120

Application area
Full scale value

Connection
ATH F: With heat-conducting element and fastening spring;
NG 63 also with universal clamp for pipes $\frac{3}{8}$ " to 1 $\frac{1}{2}$ ".
ATH M: 2 x magnet Ø 20 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

- Other ranges
- Plastic housing



RT / 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

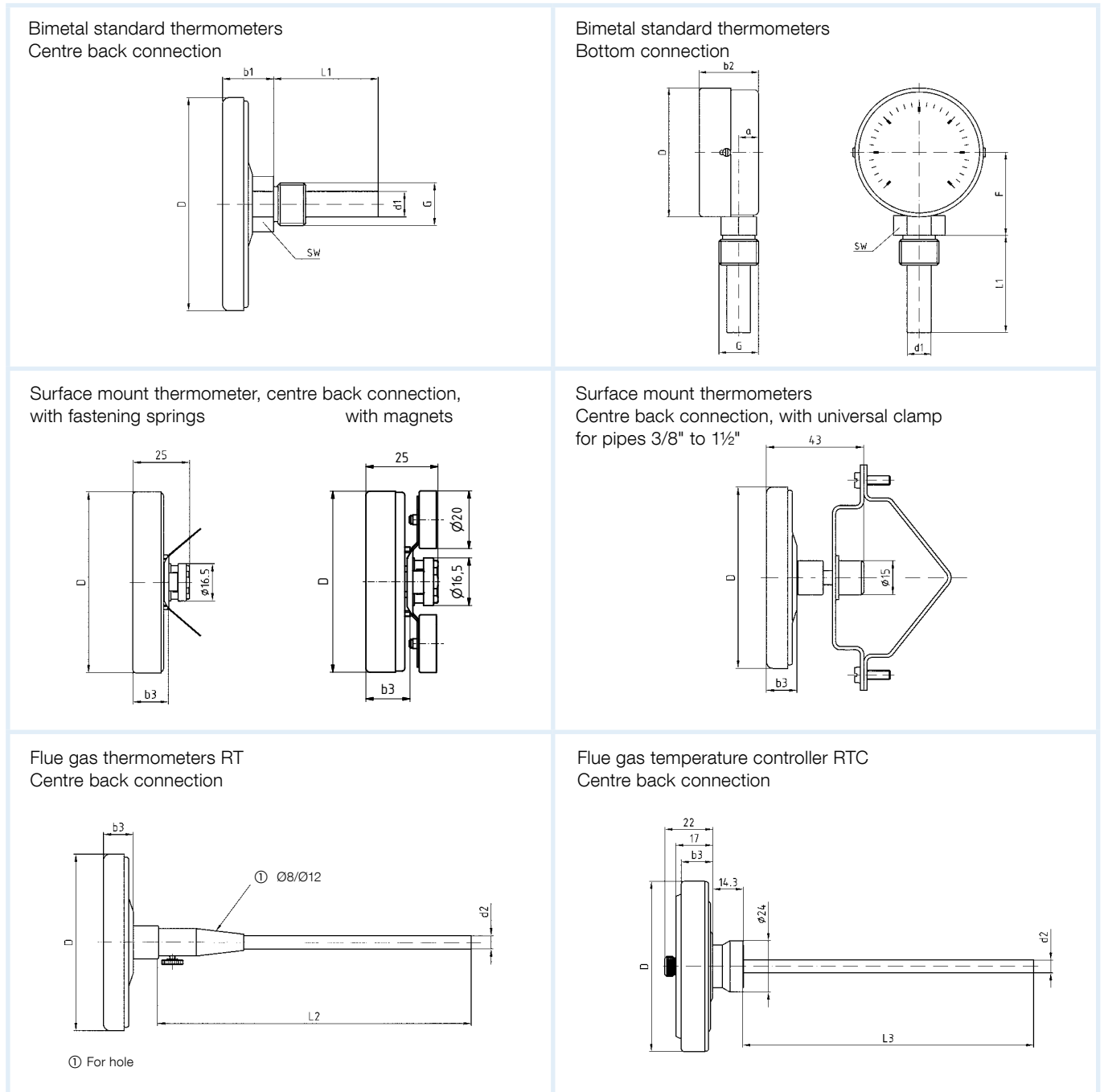
Housing
Sheet steel galvanised

Push on bezel
Sheet steel nickel-plated

Window
Plastic

Bimetal standard thermometers/surface mount thermometers/flue gas thermometers

Housing types and dimensions (mm)

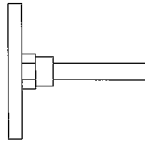
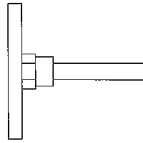
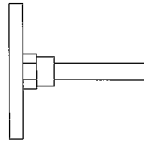
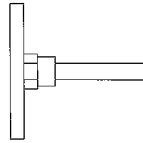


Dimensions (mm)

Nominal size (NG)	a	b ₁	b ₂	b ₃	D	d ₁	d ₂	F	G	L ₁	L ₂	L ₃	SW
50	-	18	-	-	50	12	-	-	G _{1/2} B	40			19/22
63	10	20	35	15	63	12	-	29.3	G _{1/2} B	63	141	86	19/22
80	10	21	33	15	80	12	6	47.3	G _{1/2} B	100	191	136	19/22
100	10	23.7	40.5	-	100	12	-	59.3	G _{1/2} B	150	291		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	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.

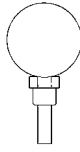
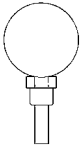
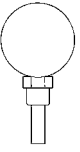
* NG 50 with O ring clamp connection

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

*** Dial red = Part no. 63674; extra charge 0.50 € / Dial blue = Part no. 63675; extra charge 0.50 €

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 G1/2B, 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.

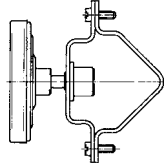
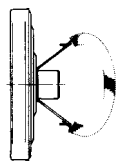
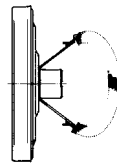
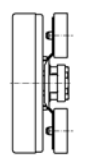
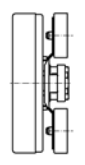
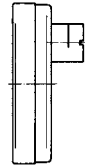
Spare thermowells

DG: G, PG: 2

Connection G1/2B, brass (only for bottom connection)		
Stem length	Part no.	Price €
40 mm	63850	
63 mm	63851	
100 mm	63852	
150 mm	63853	

Surface mount thermometers/eccentric thermometers

DG: G, PG: 3

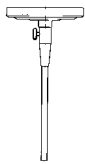

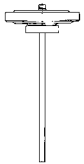
Type	ATh 63 S	ATh 63 F*	ATh 80 F*	ATh 63 M	ATh 80 M	BiTh 63 exz
Version						
Housing Ø	63	63	80	63	80	63
Housing	Sheet steel galvanised, push on bezel nickel-plated, plastic window			Plastic, black, push on bezel nickel-plated, plastic window		Plastic
Connection	Universal clamp for pipes 3/8" to 1 1/2"	Heat-conducting element with fastening spring for pipes 3/8" to 1 1/2"		2 x magnet Ø 20 mm		Eccentric male connector Ø 15 mm
Accuracy class	Class 2 as per EN 13190					
Range	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C	20/100 °C
	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.
Dial black	63820	63822	63821	63651	63653	68895
Dial red	---	---	---	---	---	63920
Dial blue	---	---	---	---	---	63921
Range	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C
	---	63826	63943	63650	63652	---

*ATh 63 F/ATh 80 F are also available with plastic housing.

Flue gas thermometers/thermometers for heating installations

DG: G, PG: 3

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Type	RT 80	RT 80	RTC 80
Version			
Housing Ø	80	80	80
Housing	Sheet steel galvanised, push on bezel nickel-plated, plastic window		
Connection	Plain stem Stainless steel 316 L Adjustable cone Brass, nickel-plated 8 – 12 mm	Plain stem Stainless steel 316 L Adjustable cone Stainless steel 12 – 18 mm	Plain stem stainless steel 316, magnet
Accuracy class	Class 2 as per EN 13190		
Range	0/300 °C	0/500 °C	0/350 °C
Stem length	Price € Part no.	Price € Part no.	Price € Part no.
100 mm	---	---	63833
150 mm	64238	63830	63832
300 mm	64239	63831	---