

Standard bimetal thermometers/surface mount bimetal 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
6 bar maximum

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

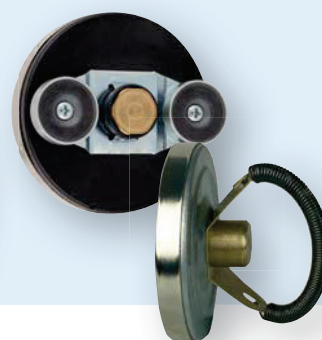
Pointer
Plastic, black

Housing
Sheet steel galvanised

Push on bezel
Sheet steel nickel-plated

Window
Plastic

- Options**
- Other ranges
 - Nominal size 34, 160



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 fastening spring
ATH Ø S: With universal clamp for pipes $\frac{3}{8}$ " to 1 $\frac{1}{2}$ "
ATH Ø 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



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
Back

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

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

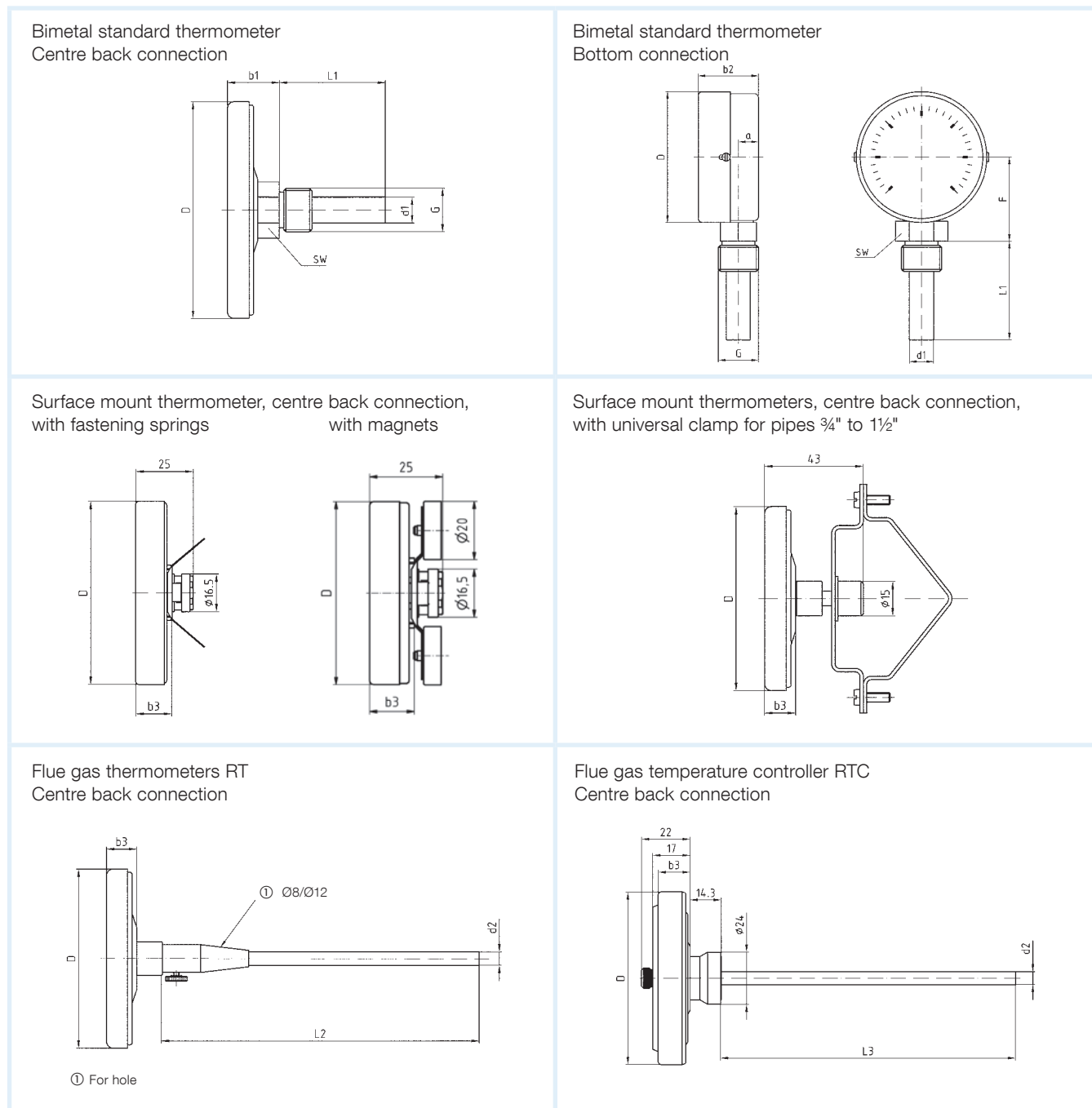
Housing
Sheet steel galvanised

Push on bezel
Sheet steel nickel-plated

Window
Plastic

Bimetal standard thermometers/surface mount thermometers/flue gas thermometers

Housing types and dimensions (mm)

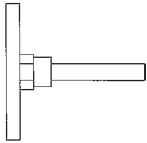
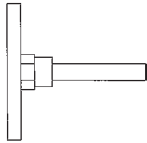
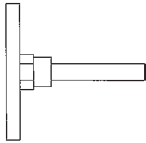
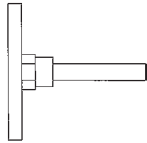


Dimensions (mm)

Nominal size (NG)	a	b1	b2	b3	D	d1	d2	F	G	L1	L2	L3	SW
50	–	18	–	–	50	12	–	–	G $\frac{1}{2}$ B	40	141 191 291	86 136	19/22
63	10	20	35	15	63	12	–	29.3	G $\frac{1}{2}$ B	63			19/22
80	10	21	33	15	80	12	6	47.3	G $\frac{1}{2}$ B	100			19/22
100	10	23.7	40.5	–	100	12	–	59.3	G $\frac{1}{2}$ B	150			19/22

Bimetal standard thermometer

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		Part no.	Part no.	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	Part no.	Part no.	Part no.	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	Part no.	Part no.	Part no.	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		Part no.	Part no.	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.

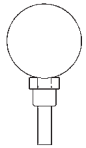
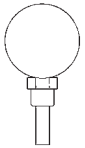
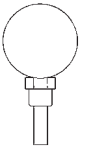
** 160 °C and higher = Thermowell with locking screw.

*** Dial red = Part no. **63674**; on request / Dial blue = Part no. **63675**; on request.

Blue part no. = in-stock items

Bimetal standard thermometer

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	Part no.	Part no.	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	Part no.	Part no.	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	Part no.	Part no.	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.

Blue part no. = in-stock items

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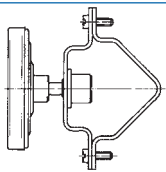
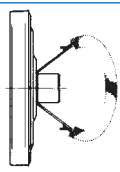
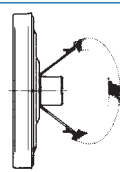
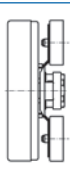
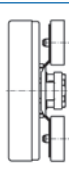
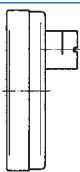
Spare thermowells

DG: G, PG: 2

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

Surface mount thermometers/ eccentric thermometers

DG: G, PG: 3

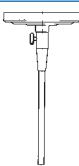

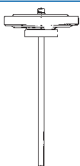
Type	ATH 63 S	ATH 63 F*	ATH 80 F*	ATH 63 M	ATH 80 M	BiTh 63 exz
Version						
Housing Ø	63	63	80	63	80	63
Housing	Sheet steel, galvanised, push on bezel nickel-plated, plastic window			Plastic, black, push on bezel nickel-plated, plastic window		Plastic
Connection	Universal clamp for pipes 3/8" to 1 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
	Part no.	Part no.	Part no.	Part no.	Part no.	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	---
Range	---	-20/+40 °C	---	---	---	---
	---	64339	---	---	---	---

*ATH 63 F / ATH 80 F are also available with plastic housing (PG: 1).

Blue part no. = in-stock items

Flue gas thermometers/ flue gas temperature controllers

DG: G, PG: 3

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	0/500 °C
	Part no.	Part no.	Part no.
100 mm	---	---	63833
150 mm	64238	63830	63832
300 mm	64239	63831	---

Blue part no. = in-stock items