

Bimetal standard thermometers/surface mounting thermometers/flue gas thermometers



Bimetal standard thermometers

Application

Heating, plumbing

Nominal size

50 – 63 – 80 – 100 – 160

Measuring element

Bimetal helix

Accuracy class

2 (EN 13190)

Ranges °C

-20/60, 0/60, 0/120, 0/160

Working temperature

Full scale value

Operating pressure at thermowell

Max. 6 bar

Standard version

Connection

Stem brass, Ø 9 mm, thermowell brass G¹/₂B, removable

Mounting position

NG 50 – 63 – 80 – 100 – 160

centre back

NG 63 – 80 – 100 bottom

Dial

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

Pointer

Plastic, black

Housing

Sheet steel, galvanised

Push on bezel

Sheet steel, nickel-plated

Front glass

Plastic

Options

- Other ranges
- Nominal size 34



Surface mounting thermometers

Application

Heating, plumbing

Nominal size

63 – 80

Measuring element

Bimetal spiral

Accuracy class

2 (EN 13190)

Ranges °C

0/60, 0/120

Working temperature

Full scale value

Standard version

Connection

NG 63 with heat-conducting element and fastening spring or universal clamp for pipes 3/8" to 1 1/2"

NG 80 with heat-conducting element and fastening spring

Mounting position

NG 63 – 80 centre back

Dial

Aluminium, white –
dial marking black

Pointer

Plastic, black

Housing

Sheet steel, galvanised

Push on bezel

Sheet steel, nickel-plated

Front glass

Plastic

Options

- Other ranges



Flue gas thermometer RT Flue gas temperature controller RTC

Application

Burner control for gas and oil burners

Nominal size

80

Measuring element

Bimetal helix

Accuracy class

2 (EN 13190)

Ranges °C

RT: 0/300, 0/500

RTC: 0/350

Working temperature

Full scale value

Standard version

Connection

RT: Stem stainless steel 1.4571, plain, with adjustable cone, brass

RTC: Stem stainless steel 1.4571, plain, with magnetic ring holder

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

Front glass

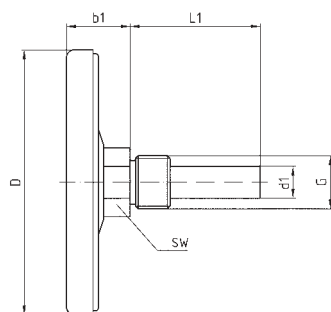
Plastic

Bimetal standard thermometers/surface mounting thermometers/flue gas thermometers

Housing types and dimensions

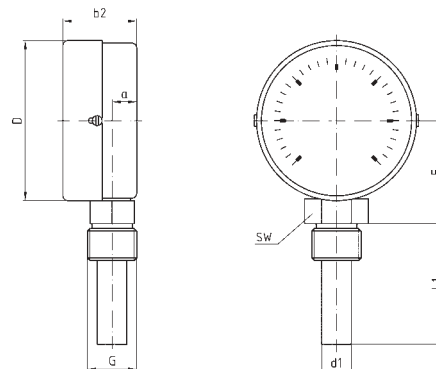
Bimetal standard thermometers

Centre back connection



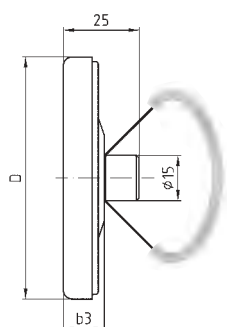
Bimetal standard thermometers

Bottom connection



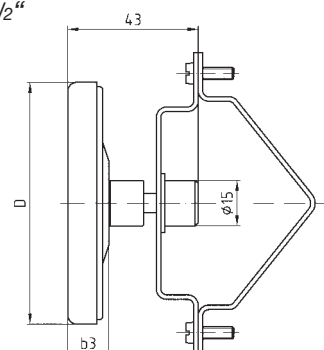
Surface mounting thermometers

Centre back connection, with fastening spring



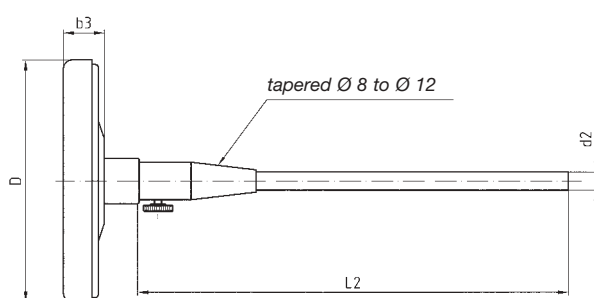
Surface mounting thermometers

Centre back connection, with universal clamp for pipes 3/8" to 1 1/2"



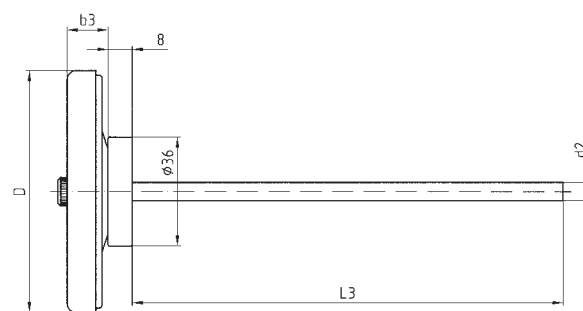
Flue gas thermometer RT

Centre back connection



Flue gas temperature controller RTC

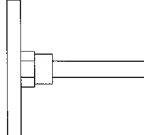
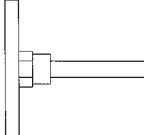
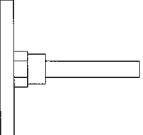
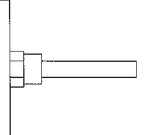
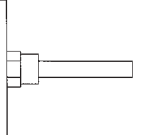
Centre back connection



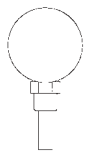
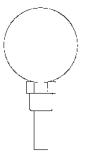
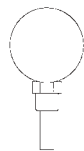
Dimensions (mm)

Nominal size (NG)	a	b1	b2	b3	D	d1	d2	F	G	L1	L2	L3	SW		
50	-	18	-	-	50	12	-	-	G ¹ / ₂ B	45	142	142	19/22		
63	10	20	35	13.5	63	12	-	29.3	G ¹ / ₂ B	68	290		19/22		
80	10	21	33	13.5	80	12	6	47.3	G ¹ / ₂ B	100			19/22		
100	10	23.7	40.5	-	100	12	-	59.3	G ¹ / ₂ B	150			19/22		
160	10	22	-	-	160	12	-	-	G ¹ / ₂ B	200			19/22		

Bimetal standard thermometers

Type	BiTh 50 ST	BiTh 63 ST	BiTh 80 ST	BiTh 100 ST	BiTh 160 ST
Version					
Housing-Ø	50	63	80	100	160
Housing	Sheet steel, galvanised, push on bezel nickel-plated, plastic front glass				
Stem	Brass, Ø 9 mm				
Connection	Thermowell G1½B, brass, outside Ø 12 mm, removable				
Accuracy class	Class 2 according to EN 13190				
Minimum order quantity for non-stock items = 10 pieces					
Range		-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C
Stem length		Part no.	Part no.	Part no.	Part no.
45 mm	---	63951	63955	63959	63963
68 mm	---	63952	63956	63960	63964
100 mm	---	63953	63957	63961	63981
150 mm	---	63954	63958	63962	63982
Range	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C
Stem length	Part no.	Part no.	Part no.	Part no.	Part no.
45 mm	64027	63860	63865	63869	63873
68 mm	64028	63861	63866	63870	63874
100 mm	64029	63862	63867	63871	63875
150 mm	64030	63864	63868	63872	63876
Range	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C
Stem length	Part no.	Part no.	Part no.	Part no.	Part no.
45 mm	64031	63801	63806	63811	63816
68 mm	64032	63802	63807	63812	63817
100 mm	64033	63803	63808	63813	63818
150 mm	64034	63804	63809	63814	63819
Range		0/160 °C	0/160 °C	0/160 °C	0/160 °C
Stem length		Part no.	Part no.	Part no.	Part no.
45 mm	---	63983	63987	64015	64019
68 mm	---	63984	63988	64016	64020
100 mm	---	63985	63989	64017	64021
150 mm	---	63986	63990	64018	64022

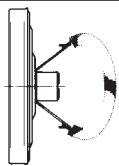
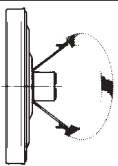
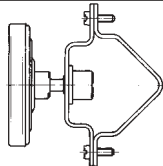
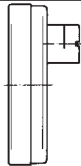
Bimetal standard thermometers

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 front glass			
Stem	Brass, Ø 9 mm			
Connection	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	
Stem length	Part no.	Part no.	Part no.	
45 mm	64039	64055	64073	
68 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.	
45 mm	64043	64059	64077	
68 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.	
45 mm	64047	64063	64081	
68 mm	64048	64064	64082	
100 mm	64049	64067	64083	
150 mm	64050	64068	64084	

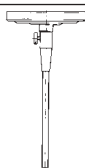
Spare thermowells

Connection G ¹ / ₂ B, brass (only for bottom connection)		
Stem length	Part no.	
45 mm	63850	
68 mm	63851	
100 mm	63852	
150 mm	63853	

Surface mounting thermometers/ eccentric thermometers

Type	ATh 63 F	ATh 80 F	ATh 63 S	BiTh 63 exz
Version				
Housing-Ø	63	80	63	63
Housing	Sheet steel, galvanised, push on bezel nickel-plated, plastic front glass			Plastic
Connection	Heat-conducting element with fastening spring for pipes 3/8" to 1 1/2"		Universal clamp for pipes 3/8" to 1 1/2"	Eccentric male connector Ø 15 mm
Accuracy class	Class 2 according to EN 13190			
Range	0/120 °C	0/120 °C	0/120 °C	20/100 °C
	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
Dial black	63822	63821	63820	68895
Dial red	---	---	---	63920
Dial blue	---	---	---	63921
Range	0/60 °C	0/60 °C	0/60 °C	0/60 °C
	63826	---	---	---

Flue gas thermometers/thermometers for heating installations

Type	RT 80		RTC 80	HTh 160 G	HTh 160 W
Version					
Housing-Ø	80		80	160	160
Housing	Sheet steel, galvanised, push on bezel nickel-plated, plastic front glass			Aluminium, brass-coloured, straight version	Aluminium, brass-coloured, angled version 90°
Connection	Plain stem, stainless steel 1.4571, adjustable cone		Plain stem, stainless steel 1.4571, magnet	Screw-in pocket G1½B brass	
Accuracy class	Class 2 according to EN 13190				
Range	0/300 °C 0/500 °C		0/350 °C	0/130 °C	0/130 °C
Stem length	Part no.	Part no.	Part no.	Part no.	Part no.
40 mm	---	---	---	63931	63932
100 mm	---	---	63833	Glass insert	Glass insert
150 mm	64238	63830	63832	63941	63942
300 mm	64239	--- 63831	---	---	