

Bimetal Thermometers

Standard Series

Thermometers

Model 50

Service intended

General purpose industrial thermometer

Nominal size

63, 80, 100 and 160 mm

Temperature element

Coiled bimetal

Bulb

Stem with detaching thermowell (screw-retained)

Accuracy

Class 2 per EN 13190

Working range

Maximum scale value

Pressure rating of thermowell

6 bar maximum

Standard features

Location of stem

63, 80, 100 and 160 mm: centre back

Case material

Aluminium (with centre back stem only)

Connection

Thermowell G ½ A, Cu-alloy

Thermowell

Length l_1 = 40, 60, 100, 160 and 200 mm
(centre back stem)
Material Cu-alloy

Dial

White aluminium with black lettering

Pointer

Black aluminium

Window

Acrylic plastic

Zero adjustment

At bottom of stem (with centre back stem only) ¹⁾

Optional extras

- Other scale ranges
- Scale °F
- Other connections



Scale ranges

Scale range °C	Scale spacing °C
- 30 ... + 50	1
- 20 ... + 60	
- 10 ... + 50	
0 ... 60	
0 ... 80	
0 ... 120	2
0 ... 160	
0 ... 200	5

Models

Model	Nominal size	Location of stem
A 5000	63	Centre back
A 5001	80	
A 5002	100	
A 5003	160	

Special versions

Service thermometer for flue gas

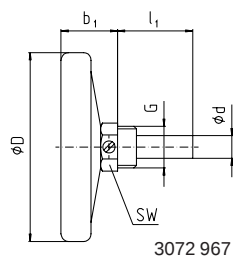
Model	NS	Scale range °C	Connection
A 5020	63	0 ... 500	Plain stem without thread
A 5021	80	0 ... 500	Plain stem without thread
A 5050	63	0 ... 400 colour markings, drag pointer	Plain stem with magnet
A 5051	63	0 ... 400 colour markings, drag pointer	Plain stem with taper thread

1) Adjustable pointer with model A 5020 up to model A 5051

Dimensions

Standard version

Location of stem: centre back

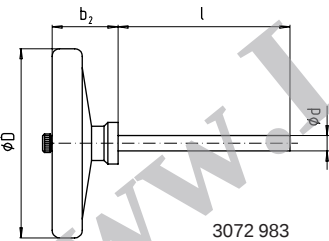


Nominal size	Dimensions in mm											Weight in kg	
	a	b ₁	b ₂	Ø d	d ₁	Ø D	F	G	l ₁	SW	SW ₁	back entry	bottom entry
63	-	23	-	12 ²⁾	-	63	-	G ½ A	40 ¹⁾	21	-	0.080	-
80	-	25	-		-	80	-		60		-	0.100	-
100	21	30	48		13	100	84		100		24	0.130	0.400
160	-	32	-		-	160	-		160		-	0.275	-
									200				

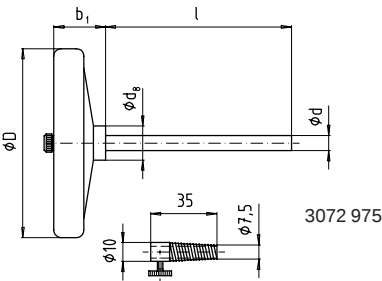
1) l₁ = 40 mm with back entry only
2) Ø d = 11 mm with thermowell length l₁ ≥ 100 mm

Service thermometer for flue gas

Plain stem with magnet



Plain stem with taper thread



Nominal size	Dimensions in mm						Weight in kg
	b ₁	b ₂	Ø d	d ₈	Ø D	l	
63	22	29	6	18	63	100	0.100
80	24	-			80		0.120

Ordering information

State: Model / Nominal size / Scale range / Connection / Length l or l₁ / Optional extras required

Specifications and dimensions given in this leaflet are correct at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.



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