

Bimetal Thermometer Model 45

WIKA Data Sheet TM 45.01

Applications

- For domestic and industrial heating systems
- Hot water boilers
- Solar power systems
- Heat transfer systems

Special Features

- Reliable and economical
- Nominal size 63, 80 and 100
- Scale ranges up to -30 ... 120 °C



Bimetal Thermometer Model 45

Description

Nominal size

63, 80 and 100 mm

Temperature element

Coiled bimetal

Bulb

Stem with detaching thermowell (friction retained)

Working range

Maximum scale value

Pressure rating of thermowell

6 bar maximum

Location of stem

Centre back

Case

Aluminium

Connection

Thermowell G ½ B

Thermowell

Length $l_1 = 40, 60, 100$ mm

Cu-alloy

Stem

Aluminium, 9 mm

Dial

White Aluminium with black lettering

Pointer

Black aluminium

Window

Acrylic plastic

Zero adjustment

At bottom of stem

Optional extras

- Other scale ranges

Special versions

Clip-on thermometer with fin and strap

63 and 80 mm

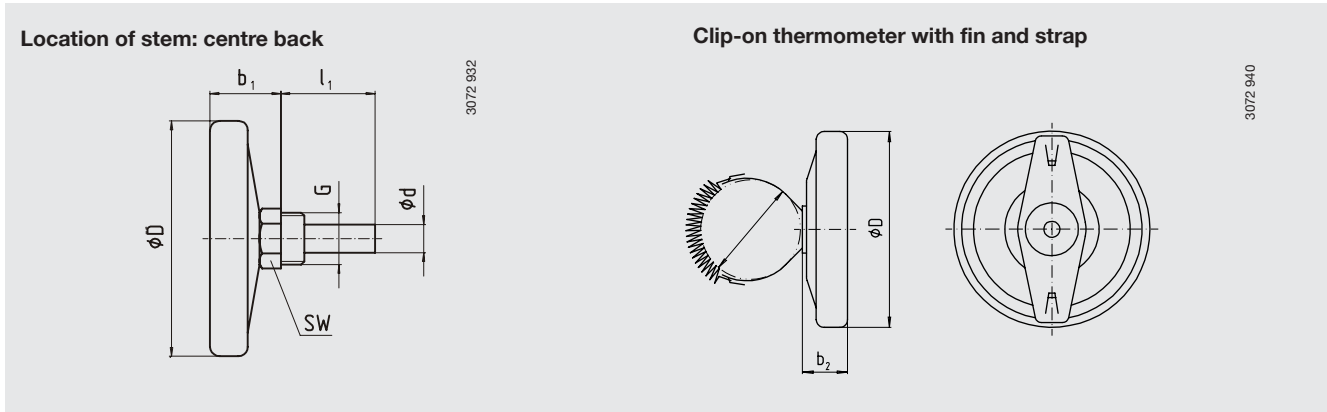
Scale ranges

Scale range °C	Scale spacing °C
-30 ... 50	1
-20 ... 60	1
0 ... 60	1
0 ... 80	1
0 ... 120	2

Models

Nominal size	Location of stem / Connection	Model
63	Centre back	A 4500
80	Centre back	A 4501
100	Centre back	A 4502
63	Clip-on fin with strap	A 4550
80	Clip-on fin with strap	A 4551

Dimensions in mm



NS	Dimensions in mm			Ø D	G	l ₁	SW	Weight in kg	
	b ₁	b ₂	Ø d					Centre back	Clip-on
63	23	21	12 ¹⁾	63	G ½ B	40, 60, 100	21	0.065	0.040
80	25	22	12 ¹⁾	80	G ½ B	40, 60, 100	21	0.080	0.060
100	30	-	12 ¹⁾	100	G ½ B	40, 60, 100	21	0.105	-

1) Ø d = 11 mm with thermowell length l₁ ≥ 100 mm

Ordering information

Model / Nominal size / Scale range / Size of connection / Length of stem l₁ / Optional extras required

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



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