

Bimetal-Thermometers Model 46

WIKA Data Sheet TM 46.01

Applications

- For Domestic and Industrial Heating
- General purpose

Special Features

- Class 2
- Nominal size 50, 63, 80 and 100
- Scale ranges 0 ... 120 °C



Bimetal-Thermometer Model 46

Description

Nominal size

50, 63, 80 and 100

Temperature element

Coiled bimetal

Bulb

Stem with detaching thermowell (friction retained)
Alternatively: with retainer screw

Accuracy

Class 2 per DIN 16 203

Working range

Maximum scale value

Pressure rating of thermowell

6 bar maximum

Location of stem

Centre back

Case

Black plastic

Connection

Thermowell G ½ B

Thermowell

Cu-alloy

Length l_1 = 40, 60, 100 mm

l_1 = 160 mm (thermowell with retainer screw only)

Stem

Aluminium, 9 mm

Dial

White with black lettering

Pointer

Black plastic

Window

Acrylic plastic

Zero adjustment

At bottom of stem

Options

- Other scale ranges
- Stem copper alloy

Scale ranges

Scale range °C	Scale spacing °C
0 ... 60	1
0 ... 120	2

Models (friction retained thermowell)

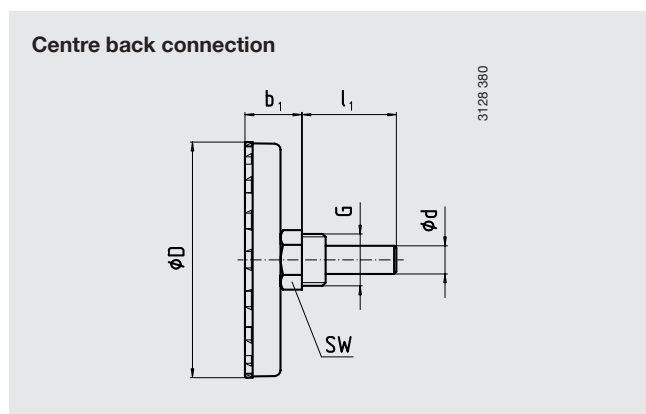
Nominal size	Location of stem	Model
50	centre back	A 4601
63	centre back	A 4602
80	centre back	A 4603
100	centre back	A 4604

Models (thermowell with retainer screw)

Nominal size	Location of stem	Model
50	centre back	A 4601/F
63	centre back	A 4602/F
80	centre back	A 4603/F
100	centre back	A 4604/F

Dimensions in mm

Standard version



NS	Dimensions in mm		Ø D	G	l ₁	SW	Weight in kg
	b ₁	d					
50	23	12 ²⁾	50	G ½ B	40, 60, 100, 160 ¹⁾	21	0.06
63	23	12 ²⁾	63	G ½ B	40, 60, 100, 160 ¹⁾	21	0.07
80	24.5	12 ²⁾	80	G ½ B	40, 60, 100, 160 ¹⁾	21	0.08
100	24.5	12 ²⁾	100	G ½ B	40, 60, 100, 160 ¹⁾	21	0.10

- 1) l₁ = 160 mm thermowell with retainer screw only
 2) d = 11 mm with thermowell length > 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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