

Bimetal-Thermometer Model 50

WIKA Data Sheet TM 50.01

Applications

- For domestic and industrial heating systems
- Hot water boilers
- Power systems

Special Features

- Accuracy Class 2
- Nominal size 63, 80, 100 and 160
- Scale ranges up to 0 ... 200 °C



Bimetal-Thermometer Model 50

Description

Nominal size

63, 80, 100 and 160 mm

Temperature element

Coiled bimetal

Bulb

Stem removable, with set screw

Accuracy class

2 (DIN 16 203)

Pressure rating of thermowell

Max. 6 bar

Location of stem

Centre back

Case

Aluminium

Connection

Thermowell G ½ B, Cu-alloy

Stem

Ø 9 mm Aluminium

160°C or $l_1 \geq 200$ mm Cu-alloy

Thermowell

Length $l_1 = 40, 60, 100, 160, 200, 250, 300$ mm,
Cu-alloy

Dial

Aluminium, white with black lettering

Pointer

Aluminium, black

Window

Acrylic plastic

Zero adjustment

At bottom of stem

Optional extras

- Other scale ranges
- Stem Cu-alloy

Scale ranges

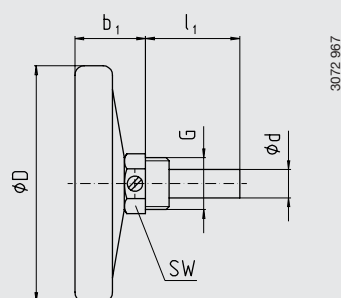
Scale ranges °C	Scale spacing °C
-30 ... + 50	1
-20 ... + 60	1
-10 ... + 50	1
0 ... 60	1
0 ... 80	1
0 ... 120	2
0 ... 160	2
0 ... 200	5

Models

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

Dimensions in mm

Standard version



Standard version

NS	Dimensions in mm					SW	Weight in kg back
	b ₁	Ø d	Ø D	G	l ₁		
63	23	12 ¹⁾	63	G ½ B	40, 60, 100, 160, 200, 250, 300	21	0,08
80	25	12 ¹⁾	80	G ½ B	40, 60, 100, 160, 200, 250, 300	21	0,10
100	30	12 ¹⁾	100	G ½ B	40, 60, 100, 160, 200, 250, 300	21	0,13
160	32	12 ¹⁾	160	G ½ B	40, 60, 100, 160, 200, 250, 300	21	0,28

1) 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.



WIKA Alexander Wiegand GmbH & Co. KG
 Alexander-Wiegand-Straße 30
 63911 Klingenberg
 Phone (+49) 93 72/132-0
 Telefax (+49) 93 72/132-406
 E-Mail info@wika.de
 www.wika.de