

Bimetal thermometer

For air-conditioning and refrigeration systems

Model 48

WIKAI data sheet TM 48.01



for further approvals
see page 3

Applications

- Air-conditioning and refrigeration systems
- Ventilation systems

Special features

- Accuracy class 2
- Nominal size 63, 80, 100 and 160
- Scale ranges from -30 ... +50 °C to 0 ... +120 °C



Bimetal thermometer model A48.10.080

Description

The model 48 bimetal thermometer has been specifically developed for use in air-conditioning and refrigeration technology for measuring the temperature in air ducts. Due to the flexibly adjustable flange, the thermometer can be adapted to all standard wall thicknesses of pipe insulations.

Standard version

Nominal size in mm

63, 80, 100 and 160

Measuring element

Bimetal coil

Models

Model	NS	Connection location
A48.10.063	63	Back mount (BM), centre
A48.10.080	80	
A48.10.100	100	
A48.10.160	160	

Scale ranges

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

Connection

Flange, Ø d₂ = 61 mm, steel zinc plated, adjustable on stem

Stem

Insertion length l = 160, 200 and 300 mm

Ø 9 mm copper alloy

Minimum immersion depth l_{min} = approx. 60 mm

Accuracy class

Class 2 per EN 13190

Case

Aluminium

Dial

Aluminium, white, black lettering

Pointer

Aluminium, black

Window

Acrylic plastic

Zero adjustment

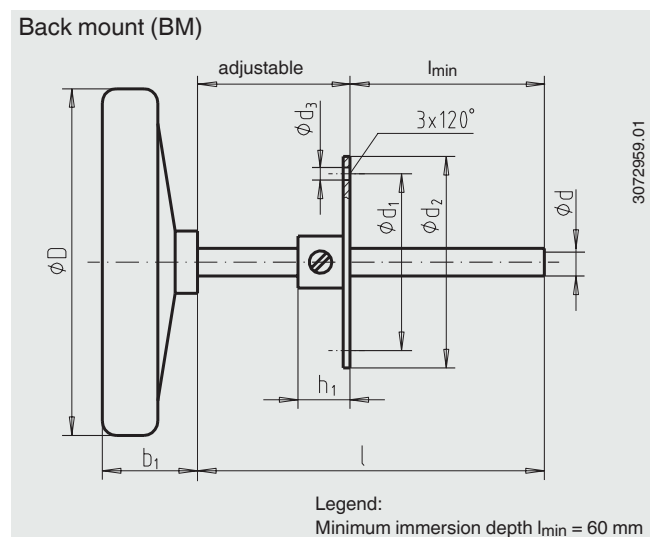
At bottom of stem

Options

- Other scale ranges
- Other insertion lengths
- Flange Ø d₂ = 50 mm
- Designs for medical applications on request

Dimensions in mm

Standard version



NS	Dimensions in mm								Weight in kg
	ØD	b ₁	Ød	Ød ₁	Ød ₂	Ød ₃	h ₁	l	
63	63	20	9	51	61	3.6	13	160, 200, 300	0.16
80	80	22	9	51	61	3.6	13	160, 200, 300	0.18
100	100	27	9	51	61	3.6	13	160, 200, 300	0.21
160	160	29	9	51	61	3.6	13	160, 200, 300	0.36

Approvals

- **GOST**, metrology/measurement technology, Russia
- **CRN**, safety (e.g. electr. safety, overpressure, ...), Canada

Certificates (option)

- 2.2 test report

Approvals and certificates, see website

Ordering information

Model / Nominal size / Scale range / Connection / Insertion length l / Options

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WIKAL Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Tel. (+49) 9372/132-0
Fax (+49) 9372/132-406
E-mail info@wika.de
www.wika.de