

Bimetal thermometer

For air-conditioning and refrigeration systems

Model 48

WIKA data sheet TM 48.01

Applications

- Air-conditioning and refrigeration systems
- Ventilation systems

Special features

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



Bimetal thermometer model A48.10.080

Description

Nominal size in mm

63, 80, 100 and 160

Measuring element

Bimetal coil

Connection location

Back mount, centre

Connection

Flange, $\text{Ø}d_2 = 61$ mm, steel zinc plated, adjustable on stem

Stem

Length $l = 160, 200$ and 300 mm

$\text{Ø} 9$ mm Cu-alloy

Minimum immersion depth $l_{\text{min}} = \text{approx. } 60$ 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 stem lengths
- Flange $\text{Ø}d_2 = 50$ mm
- Designs for medical applications on request

Scale ranges

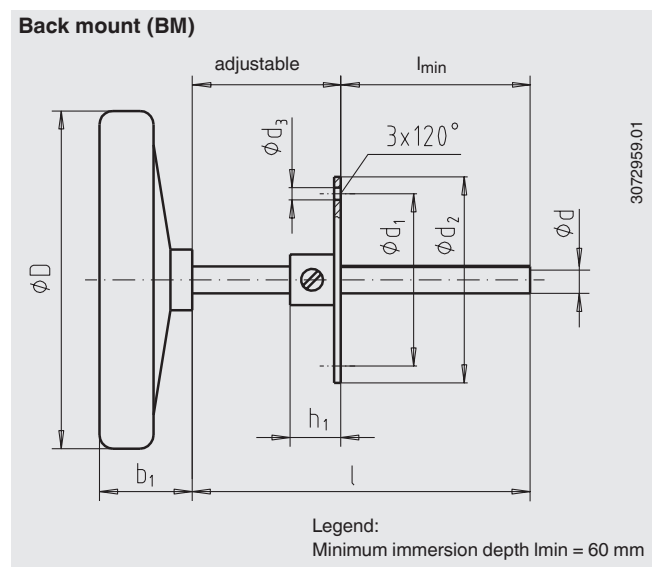
Scale range in °C	Scale spacing in °C
-30 ... +50	1
-20 ... +60	1
0 ... 80	1

Models

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

Dimensions in mm

Standard version



NS	Dimensions in mm							Weight in kg	
	ØD	b ₁	Ød	Ød ₁	Ød ₂	Ød ₃	h ₁		
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

Ordering information

Model / Nominal size / Scale range / Connection / Length l / Options

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