Bimetal thermomanometer Eco For pressure and temperature measurement Model THM10

WIKA data sheet PM 01.24

Applications

- Heating systems
- Combi-boilers with hot water and heating

Special features

- Combined indication for pressure and temperature
- Scale ranges to 0 ... 10 bar, 0 ... 120 °C
- Shut-off valve included in delivery



Fig. left: THM10.063, lower mount (LM)

Fig. right: Shut-off valve

Description

The model THM10 thermomanometer combines the measurement of pressure and temperature in one instrument. This enables the control of both measurement parameters at one single measurement point. The built-in measuring elements - Bourdon tube and bimetal coil - provide for reliable measuring results.

By using the self-sealing shut-off valve, the measuring instrument can be dismounted at any time and without having to empty the heating circuit first. The bimetal thermomanometer is delivered with a shut-off valve as standard.



Part of your business

Specifications

Nominal size in mm

63,80

Accuracy class

Pressure: 2.5 (EN 837-1)Temperature: 2 (EN 13190)

Scale ranges

■ Pressure: 0 ... 4 to 0 ... 10 bar

■ Temperature: 0 ... 120 °C

Pressure limitation

3/4 x full scale value

Temperature measuring range

40 ... 80 °C

Storage and transport temperature

-20 ... +60 °C

Measuring elements

■ Pressure: Bourdon tube, copper alloy

■ Temperature: Bimetal coil

Process connection

Copper alloy, G 1/4 B male

- Back mount (BM)
- Lower mount (LM)

Shut-off valve

Copper alloy, G $\frac{1}{4}$ female R $\frac{1}{2}$ ISO 7 (male)

Case

Plastic, black

Movement

Copper alloy

Dial

Plastic , black, white lettering, indication of limit ranges by

standard colour scale

Pressure scale position: Top

Temperature scale position: Bottom

Pointer

Pressure: Plastic, blue Temperature: Plastic, red

Window

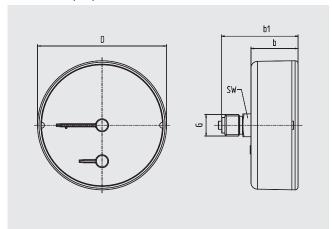
Plastic, crystal-clear, snap-fitted

Options

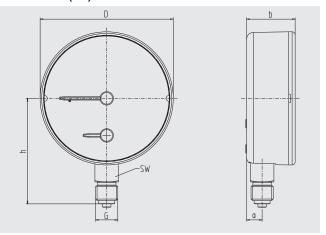
- Shut-off valve: Customer-specific process connections
- Other pressure and temperature units
- Window with red mark pointer
- White dial, black lettering, indication of limit ranges by standard colour scale

Dimensions

Back mount (BM)

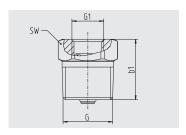


Lower mount (LM)



| NS | Connection loca- | Dimens | Weight in kg | | | | | | |
|----|------------------|--------|--------------|----|---------|------|----|----|-------|
| | tion | b | b1 | D | G | h | а | SW | |
| 63 | back mount | 28 | 45.5 | 62 | G 1/4 B | - | - | 14 | 0.088 |
| 63 | lower mount | 28 | - | 62 | G 1/4 B | 51.5 | 10 | 14 | 0.088 |
| 80 | back mount | 29 | 47 | 79 | G 1/4 B | - | | 14 | 0.095 |
| 80 | lower mount | 29 | - | 79 | G 1/4 B | 63 | 10 | 14 | 0.095 |

Shut-off valve



| Dime | nsions in mn | Weight in kg | | |
|------|--------------|--------------|----|-------|
| b1 | G | G1 | sw | |
| 25 | R ½ ISO 7 | G 1/4 | 22 | 0.044 |

Ordering information

Model / Nominal size / Pressure scale range / Connection location / Options

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The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specifications and materials.

WIKA data sheet PM 01.24 · 01/2016

Page 3 of 3



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