# Bimetal thermomanometer Eco
# For pressure and temperature measurement
# Model THM10



## 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.



Data sheets showing similar products:
Bimetal thermomanometer for pressure and temperature measurement; models 100.0x and 100.1xb; see data sheet PM 01.23

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**
¾ 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 ¼ B male
- Back mount (BM)
- Lower mount (LM)

**Shut-off valve**
Copper alloy, G ¼ female
R ½ 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

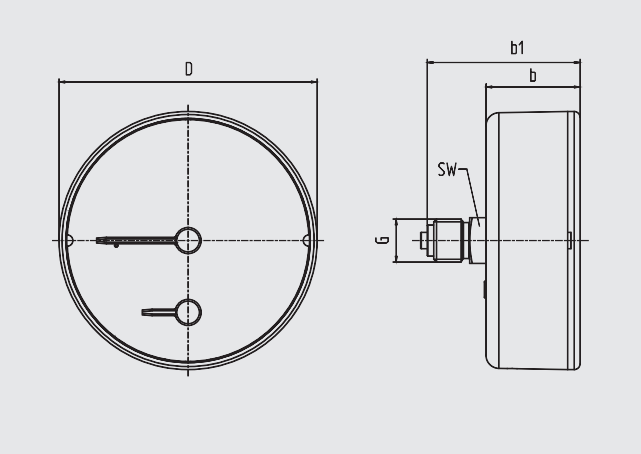
**Window**
Plastic, crystal-clear, snap-fitted

## Options

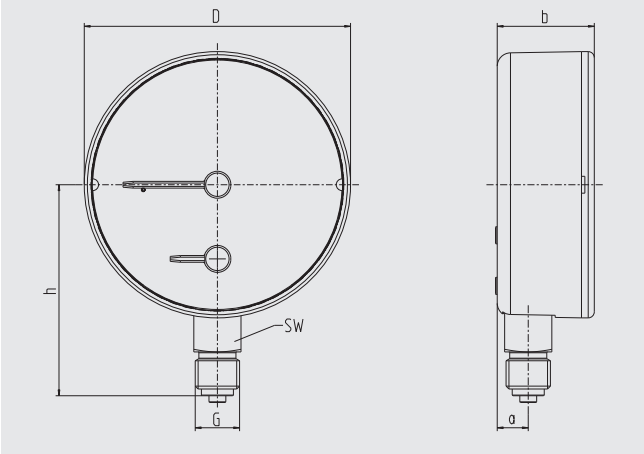
- Shut-off valve: Customer-specific process connections
- Other pressure and temperature units
- Window with red mark pointer
- White dial, black lettering, indication of limit ranges by standard colour scale

## Dimensions

### Back mount (BM)

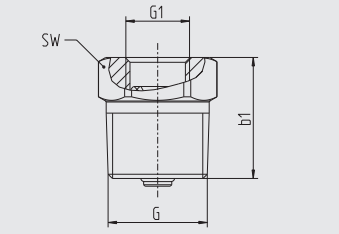



### Lower mount (LM)




| NS | Connection location | Dimensions in mm | | | | | | | Weight in kg |
|---|---|---|---|---|---|---|---|---|---|
| | | b | b1 | D | G | h | a | SW | |
| **63** | back mount | 28 | 45.5 | 62 | G ¼ B | - | - | 14 | 0.088 |
| **63** | lower mount | 28 | - | 62 | G ¼ B | 51.5 | 10 | 14 | 0.088 |
| **80** | back mount | 29 | 47 | 79 | G ¼ B | - | | 14 | 0.095 |
| **80** | lower mount | 29 | - | 79 | G ¼ B | 63 | 10 | 14 | 0.095 |

### Shut-off valve




| Dimensions in mm | | | | Weight in kg |
|---|---|---|---|---|
| b1 | G | G1 | SW | |
| 25 | R ½ ISO 7 | G ¼ | 22 | 0.044 |

## Ordering information

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

© 2016 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
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 Alexander Wiegand SE & Co. KG**
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Tel. +49 9372 132-0
Fax +49 9372 132-406
info@wika.de
www.wika.de