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

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.
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)

![Diagram of back mount](image)

<table>
<thead>
<tr>
<th>NS</th>
<th>Connection location</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>back mount</td>
<td>b: 28, b1: 45.5, D: 62</td>
<td>SW: 14</td>
</tr>
<tr>
<td>63</td>
<td>lower mount</td>
<td>b: 28, b1: -</td>
<td>D: 62</td>
</tr>
<tr>
<td>80</td>
<td>back mount</td>
<td>b: 29, b1: 47, D: 79</td>
<td>SW: 14</td>
</tr>
<tr>
<td>80</td>
<td>lower mount</td>
<td>b: 29, b1: -</td>
<td>D: 79</td>
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</tbody>
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#### Lower mount (LM)

![Diagram of lower mount](image)

<table>
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### Shut-off valve

![Diagram of shut-off valve](image)

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</tr>
</thead>
<tbody>
<tr>
<td>b1</td>
<td>G</td>
</tr>
<tr>
<td>25</td>
<td>R ½ ISO 7</td>
</tr>
</tbody>
</table>

### Ordering information

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

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