Applications

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

Special features

- Combined indication for pressure and temperature
  Model 100.01: At the top pressure, at the bottom temperature, temperature scale bent downward
  Model 100.02: At the top pressure, at the bottom temperature
  Models 100.10 and 100.12: At the top temperature, at the bottom pressure
- Scale ranges to 0 … 16 bar, 0 … 150 °C

Description

The thermomanometer with bimetal system is fitted directly at the measuring point via a stem. The valve allows the measuring instrument to be unscrewed without having to empty the heating system first. Due to the combination of a pressure gauge and a bimetal thermometer the instrument can be used flexibly in a wide variety of applications.

Nominal size in mm

63, 80

Accuracy class

- Pressure: 2.5 (EN 837-1)
- Temperature: ±2.5 °C

Scale ranges

- Pressure: 0 … 1 to 0 … 16 bar
- Temperature: 0 … 100 to 0 … 150 °C

Working ranges

- Pressure: Steady: 3/4 x full scale value
  Fluctuating: 2/3 x full scale value
  Short time: Full scale value
- Temperature: Full scale value

Measuring elements

- Pressure: Bourdon tube, copper alloy
- Temperature: Bimetal coil, copper alloy
Standard version

Process connection
R 1/2 ISO 7 (male), 22 mm flats
Models 100.01, 100.10: Lower mount (LM) ¹
Models 100.02, 100.12: Centre back mount (CBM)

¹) Not for NS 63

Case
Models 100.01, 100.02: Plastic, black
Models 100.10, 100.12: Steel, black lacquered

Movement
Copper alloy

Dial
Aluminium, white, black lettering
Pressure scale marked in blue, temperature scale marked in red
Models 100.01, 100.02: At the top pressure, at the bottom temperature (model 100.01: Temp. scale bent downward)
Models 100.10, 100.12: At the top temperature, at the bottom pressure

Pointer
Aluminium, black

Window
Plastic, crystal-clear, snap-fitted

Options

- Other process connection
- Models 100.01, 100.02: Case steel, black lacquered
- Models 100.10, 100.12: Slip-on bezel steel, black or chrome plated, or stainless steel, natural finish or polished
- Shut-off valve, copper alloy
- Model 100.10: Instrument glass (with slip-on bezel)
- Other scale ranges
- Special scales

Dimensions in mm

Standard version

Model 100.01.80, lower mount (LM)

Model 100.10.80, lower mount (LM)
(with option slip-on bezel)
### Ordering information

Model / Nominal size / Scale ranges (pressure and temperature) / Process connection / Connection location / Options

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<table>
<thead>
<tr>
<th>Model</th>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
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<tbody>
<tr>
<td></td>
<td></td>
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