Bimetal thermometer
For heating technology
Model A43, standard version

Applications
- Heating systems
- Hot water tanks
- Solar collectors
- Heat transfer stations

Special features
- Reliable and cost-effective
- Indication accuracy class 2 in accordance with EN 13190
- Scale ranges from -30 ... +120 °C

Description
The model A43 bimetal thermometer was developed as a standard version for simple temperature indication in heating applications.

Its modular design enables a multitude of combinations of case materials, nominal sizes, scale ranges and stem lengths. This ensures that the basic dimensions are maintained.

The standard scope of delivery of the model A43 includes a thermowell. The thermowell can be operated with an operating pressure up to a maximum of 6 bar.

The model A43 is manufactured to tolerance class 2 in accordance with EN 13190 and thus offers the required indication accuracy for heating technology.
**Standard version**

**Measuring element**
Bimetal coil

**Nominal size**
63, 80, 100

**Working range**
Full scale value

**Case**
Model A43.10: Aluminium
Model A43.20: Steel, galvanised
Model A43.30: Plastic, black

**Connection location**
Back mount (BM), centre

**Process connection**
Thermowell G ½ B, copper alloy

**Stem**
Aluminium

**Thermowell**
Copper alloy
Removable, friction fit

**Permissible operating pressure at thermowell**
Max. 6 bar

**Dial**
Plastic, white, black lettering

**Pointer**
Plastic, black

**Window**
NS 63: PS
NS 80, 100: SAN

**Indication accuracy**
Class 2 per EN 13190

**Zero adjustment**
At bottom of stem

**Options**

- Other scale ranges
- Slip-on bezel, nickel-plated
- Removable brass thermowell with retainer screw
Dimensions in mm

Model A43.10, A43.20

Model A43.30

<table>
<thead>
<tr>
<th>NS</th>
<th>b₁</th>
<th>Ø d</th>
<th>Ø D</th>
<th>l₁</th>
<th>G</th>
<th>SW</th>
</tr>
</thead>
<tbody>
<tr>
<td>63</td>
<td>24</td>
<td>11.5</td>
<td>63 (61.6 ... 62.2)</td>
<td>40, 60, 100 (optional: 160)</td>
<td>G 1/2 B</td>
<td>SW 21</td>
</tr>
<tr>
<td>80</td>
<td>24</td>
<td>11.5</td>
<td>80 (78.6 ... 79.4)</td>
<td>40, 60, 100 (optional: 160)</td>
<td>G 1/2 B</td>
<td>SW 21</td>
</tr>
<tr>
<td>100</td>
<td>24</td>
<td>11.5</td>
<td>100 (98.6 ... 99.4)</td>
<td>40, 60, 100 (optional: 160)</td>
<td>G 1/2 B</td>
<td>SW 21</td>
</tr>
</tbody>
</table>

1) With l₁ = 160: Ø d = 11.0 mm

Ordering information
Model / Nominal size / Scale range / Process connection / Length l₁ / Options

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