Ambient Temperature Thermometer
Bayonet ring case stainless steel

Standard Versions

This data sheet contains detailed information on our standard versions and available options. In overview 8000 you will find additional information on selection, metrological features, permissible ambient and storage temperatures as well as error limits, etc. Information on the metrologically optimal design of thermometers can be found in our technical information sheet T08-000-031.

Measuring Unit
With nitrogen filling
(inert gas, physiological harmless)

Accuracy (DIN EN 13 190)
Class 1

Case
With bayonet ring, stainless steel 304 (1.4301)

Degree of Protection (DIN EN 60 529/IEC 529)
IP65

Nominal Case Sizes
100, 160 mm (4, 6")

Case Configuration
Connection temperature sensor (stem):
rigid mount
Stem position:
rear ambient temperature stem
Mounting device:
back flange for surface mounting with distance bolts to the case, see page 2

Temperature Ranges
−40 / +40 °C
−40 / +60 °C
−30 / +50 °C
−20 / +60 °C

Window
Instrument glass

Movement
Brass/German silver

Dial
Aluminum white, scale black

Pointer
Aluminum black

Indication Adjustment (± 6 %)
Externally via screw

Options

- Red mark on the dial
- Plastic clip (red or green external at the bayonet ring)
- Stationary red pointer on the dial, adjustable after removing the ring
- Case polished
- Bayonet ring polished
- Instrument tag:
  - stainless steel plate 12 x 55 mm (0.47 x 2.17") with wire mounting
  - sticker on case coverage

Special Versions and Further Options

- Other temperature ranges and/or special scales, e.g.
  dual scale °C/°F, coloured fields or ranges, dial inscriptions
- Case parts stainless steel 316L (1.4404) upon request
- GOST version for Russia, Ukraine, Kazakhstan, Belarus

Accessories

Electronic: limit switch contact assemblies,
see model overview 9.1000

Ordering Information

Please specify in your order:

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal case size</th>
<th>Temperature range</th>
<th>Options</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRCh</td>
<td>100, 160 mm</td>
<td>e.g. −30 / +50 °C</td>
<td>e.g. case polished</td>
<td>TRCh 100, −30 / +50 °C, case polished</td>
</tr>
</tbody>
</table>
Stem Position, Dimensional Data and Weights

Stem Position Rear Ambient Temperature Sensor

without additional code letter

<table>
<thead>
<tr>
<th>NCS</th>
<th>b3 (mm/inch)</th>
<th>D (mm)</th>
<th>d1 (mm)</th>
<th>d2 (mm)</th>
<th>d3 (mm)</th>
<th>s (mm)</th>
<th>(approx.) weight TRCh (kg/lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>64</td>
<td>101</td>
<td>116</td>
<td>132</td>
<td>4.8</td>
<td>6</td>
<td>0.52</td>
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<td>2.52</td>
<td>3.98</td>
<td>4.57</td>
<td>5.2</td>
<td>0.19</td>
<td>0.24</td>
<td>1.14</td>
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<tr>
<td>160</td>
<td>63.5</td>
<td>161</td>
<td>163</td>
<td>196</td>
<td>5.8</td>
<td>6</td>
<td>0.88</td>
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<tr>
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<td>6.34</td>
<td>6.42</td>
<td>7.72</td>
<td>0.23</td>
<td>0.24</td>
<td>1.94</td>
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