Bourdon tube pressure gauge
OEM version
Models 151.10, 151.12 and 151.17

Applications
- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts and polyamide
- Air pumps, compressors
- Plant protection
- Pneumatics
- Heating and sanitary industries

Special features
- Case and process connection one part (polyamide)
- Low weight
- Nominal size 40, 50 and 63
- Scale ranges 0 ... 2.5 to 0 ... 25 bar

Description
Nominal size in mm
40, 50 and 63

Accuracy class
2.5

Scale ranges
0 ... 2.5 to 0 ... 25 bar

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

Permissible temperature
Ambient: -20 ... +60 °C
Medium: +60 °C maximum
Storage: -40 ... +70 °C

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C):
max. ±0.4 %/10 K of the span
Standard version

Process connection
Polyamide, (PA, glass-fibre reinforced)
Model 151.10: Lower mount (LM)
Model 151.12: Centre back mount (CBM)
Model 151.17: Lower back mount (LBM)

NS 40:  G 1/8 B (male), 14 mm flats
NS 50, 63:  G 1/4 B (male), 14 mm flats

Pressure element
Copper alloy

Movement
Copper alloy

Dial
Plastic, white, with pointer stop pin
Black lettering

Pointer
Plastic, black

Case
Polyamide (PA, glass-fibre reinforced), black

Window
Plastic, crystal-clear, snap-fitted in case

Options

■ Special connections (models 151.10 and 151.12):
  - R 1/8 - ISO7
  - R 1/4 - ISO7
  - 1/8 NPT
  - 1/4 NPT

■ Other process connection

■ Case and process connection from KTW approved plastic
  (for drinking water applications)

Certificates 1)

■ 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)
■ 3.1 inspection certificate per EN 10204 (e.g. indication accuracy)

1) Option

Dimensions in mm

Standard version

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<thead>
<tr>
<th>Model 151.10, NS 40, 50 and 63</th>
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<tbody>
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<table>
<thead>
<tr>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
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<tbody>
<tr>
<td></td>
<td>a</td>
<td>b±0.5</td>
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<tr>
<td>40</td>
<td>9.6</td>
<td>26.5</td>
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<tr>
<td>50</td>
<td>9.6</td>
<td>26.5</td>
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<tr>
<td>63</td>
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Ordering information
Model / Nominal size / Scale range / Connection size / Connection location / Options

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