Bourdon tube pressure gauge
Industrial series, NS 80
Models 112.28, 132.28

Applications

- For gaseous and liquid media that are not highly viscous or crystallising
- Model 112.28: Measuring system Cu-alloy
- Model 132.28: Measuring system stainless steel, also for aggressive media
- Hydraulics
- Compressors
- Refrigeration technology

Special features

- Vibration and shock resistant
- Especially sturdy design
- Stainless steel case
- Scale ranges up to 0 ... 40 bar

Description

Design
EN 837-1

Nominal size in mm
80

Accuracy class
1.6

Scale ranges
Model 112.28: 0 ... 0.6 to 0 ... 40 bar
Model 132.28: 0 ... 1 to 0 ... 40 bar
or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation
Steady: Full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Permissible temperature
Ambient: -40 ... +60 °C
Medium: +60 °C maximum (model 112.28)
+200 °C maximum (model 132.28)

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C):
Max. ±0.4 %/10 K of full scale value

Ingress protection
IP 54 per EN 60529 / IEC 529
Standard version

Process connection
Model 112.28: Cu-alloy
Model 132.28: Stainless steel 316L
Lower mount (LM) or centre back mount (CBM), G 3/8 B (male), 19 mm flats

Pressure element
Model 112.28: Cu-alloy
Model 132.28: Stainless steel 316L

Movement
Cu-alloy, wear parts argentan

Dial
Aluminium, white, black lettering

Pointer
Aluminium, black

Case
Stainless steel

Window
Polycarbonate

Bezel ring
Crimp ring, glossy finish stainless steel

Options
- Other process connection
- Sealings (model 910.17, see data sheet AC 09.08)
- Liquid filling (glycerine, permissible temperature):
  Ambient: -20 ... +60 °C
  Medium: +60 °C maximum (model 113.28)
  +100 °C maximum (model 133.28)
- Panel frame 88 x 88 mm, stainless steel, black
- Restrictor in the process connection

Dimensions in mm

Standard version

Lower mount (LM)

Centre back mount (CBM)

<table>
<thead>
<tr>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a</td>
<td>b ±0.5</td>
</tr>
<tr>
<td>80</td>
<td>15</td>
<td>38</td>
</tr>
</tbody>
</table>

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Options

© 2011 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.