Bourdon tube pressure gauge
Model 111.11, welding gauge to ISO 5171

Applications
■ For equipment and plants for welding, cutting and allied processes

Special features
■ Design per ISO 5171
■ Pressure relief in case back
■ Reliable and cost-effective

Design
ISO 5171

Nominal size in mm
40, 50, 63

Accuracy class
2.5

Scale ranges
Welding engineering standard ranges for oxygen and acetylene to ISO 5171, as well as 0 ... 1 to 0 ... 400 bar to EN 837-1

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

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**
Copper alloy, lower mount (LM), with restrictor
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 (with acetylene, max. 70 % copper content), C-type or helical type

**Movement**
Copper alloy

**Dial**
Plastic, white, with pointer stop pin
Black lettering

**Pointer**
Plastic, black

**Dimensions in mm**

<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</td>
</tr>
<tr>
<td>40</td>
<td>9.5</td>
<td>26</td>
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<tr>
<td>50</td>
<td>9.5</td>
<td>28</td>
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<tr>
<td>63</td>
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Process connection per EN 837-1 / 7.3

**Case**
Steel, brass-coloured, with pressure relief in case back

**Window**
Polycarbonate, snap-fitted in case

**Options**
- Other process connection
- Sealings (model 910.17, see data sheet AC 09.08)
- Case brass or stainless steel
- Slip-on bezel
- Back mount (BM)
- Acetylene pressure gauge for pressure regulators for manifold systems per ISO 7291 (BAM tested)

**CE conformity**

**Pressure equipment directive**
97/23/EC, PS > 200 bar, module A, pressure accessory

**Approvals**
- GOST, metrology/measurement technology, Russia
- GOST-R, import certificate, Russia
- CRN, safety (e.g. electr. safety, overpressure, ...), Canada

**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

Approvals and certificates, see website