RITTER Bellows-type Gas Meter BG 10
## Legend

1. Gas inlet
2. Handle
3. Gas outlet
4. Removable cover

## Performance Data

<table>
<thead>
<tr>
<th></th>
<th>Minimum flow $Q_{\text{min}}$</th>
<th>Standard flow $Q_{\text{standard}}$</th>
<th>Maximum flow $Q_{\text{max}}$</th>
<th>Measurement accuracy (2)</th>
<th>Measuring cavity capacity</th>
<th>Temperature range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 ltr/h</td>
<td>10,000 ltr/h</td>
<td>16,000 ltr/h</td>
<td>2 %</td>
<td>10 ltr/U</td>
<td>-20 to +50 °C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Maximum gas inlet pressure</th>
<th>Minimum differential pressure (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mbar</td>
<td>1 mbar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Standard Totalizing Roller Counter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Minimum dial division</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Indication dial plate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Maximum indication value (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Weight</td>
</tr>
</tbody>
</table>

> (1) Differential pressure (= pressure loss) gas inlet gas outlet
> (2) Across the measuring range in relation to the calibration value at nominal flow
> (3) Standard Totalizing Roller Counter

No reverse flow direction possible!
Models (materials)

- Casing: zinc-coated steel sheet (soldered) with outside also lacquered
- Measuring unit: Tinplate
- Bellows (within measuring unit): textile-reinforced nitrile rubber (Perbunan®)
- Rod linkage: Polyamide
- Slide gate: Bakelite

Standard Equipment

- 8 or 9-digit Totalizing Roller Counter
- Large, One-needle Dial
- Magnetic Coupling (between the measuring drum and counting mechanism)
- Screw Connection 2" (G 2 A, DIN ISO 228)
- Twin-Chamber Measuring Unit

Built-in Options

- LCD Display, resettable, 8-digit (replaces Totalizing Roller Counter)
- Pulse Generator, standard or Ex-proof version (for connecting Electronic Display Unit/Computer)

Accessories

- Thermometer (BG)
- Manometer for pressure pmax = 60 mbar
- Electronic Display Unit »EDU 32 FP«, displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)
- Nozzles for flexible tube connection

The most recent version of this data-sheet can be found at ...
https://www.ritter.de/en/bg-10/

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