**DRUM-TYPE GAS METERS**  
**TG 10 STAINLESS STEEL • DATA-SHEET**

### Performance Data

- **Minimum flow** $Q_{\text{min}}$: 20 ltr/h
- **Standard flow** $Q_{\text{standard}}$: 1,000 ltr/h
- **Maximum flow** $Q_{\text{max}}$: 1,200 ltr/h
- **Measurement accuracy at standard flow**: 0.2 %
- **Measurement accuracy across measuring range**: 0.5 %
- **Measuring drum volume**: 10 ltr/U
- **Packing liquid quantity, approx.**: 21 ltr
- **Maximum gas inlet pressure** $P_{\text{in}}$: 500 mbar
- **Minimum differential pressure** $P_{\text{diff}}$: 0.1 mbar
- **Minimum dial division**: 0.1 ltr
- **Maximum indication value**: 99,999,999 ltr
- **Connection gas in/outlet**: hose barb
- **Inside-Ø hose barb**: 26 mm
- **Outside-Ø hose barb**: 26 mm

### Models (materials)

<table>
<thead>
<tr>
<th>Model</th>
<th>Casing</th>
<th>Measuring drum</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Weight (without packing liquid)</th>
<th>Max. constant use temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stainless Steel</td>
<td>PVC-grey</td>
<td>420 mm</td>
<td>470 mm</td>
<td>590 mm</td>
<td>25.6 kg</td>
<td>40 °C</td>
</tr>
<tr>
<td>2</td>
<td>Stainless Steel</td>
<td>PE-el</td>
<td>420 mm</td>
<td>470 mm</td>
<td>590 mm</td>
<td>25.2 kg</td>
<td>60 °C</td>
</tr>
<tr>
<td>3</td>
<td>Stainless Steel</td>
<td>PP-grey</td>
<td>420 mm</td>
<td>470 mm</td>
<td>590 mm</td>
<td>25.2 kg</td>
<td>80 °C</td>
</tr>
<tr>
<td>Model</td>
<td>Casing</td>
<td>Measuring drum</td>
<td>Width</td>
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<tr>
<td>4</td>
<td>Stainless Steel</td>
<td>PVDF</td>
<td>420 mm</td>
<td>470 mm</td>
<td>590 mm</td>
<td>25.8 kg</td>
<td>80 °C</td>
</tr>
</tbody>
</table>

**Caution**

Before and after measurements with oxygen purge the meter with an inert gas to avoid the danger of explosion!

For chemical resistance properties please contact your RITTER distribution partner!

**Standard Equipment**

- 8-digit Totalizing Roller Counter
- Bubble level for levelling
- Level and Levelling Feet
- Magnetic Coupling (between the measuring drum and counting mechanism), for an absolutely liquid-tight casing
- Multi-Chamber Measuring Drum
- Supports for Thermometer and Manometer
- Viton sealing

**Built-in Options**

- Pulse Generator, standard or Ex-proof version (for connecting Electronic Display Unit/Computer
- LCD Display, resettable, 8-digit (replaces Totalizing Roller Counter)
- High Precision Packing Liquid Level Indicator »HPLI«, for packing liquid level

**Accessories**

- Data Acquisition Software »RIGAMO«, (for Windows)
- Thermometer Gas (TG), measuring range 0 °C to +60 °C
- Thermometer Packing Liquid (TG), measuring range 0 °C to +60 °C
- Manometer for pressure pmax ≤ 1 bar, measuring range 0-600 mbar / 0-1 bar
- Electronic Display Unit »EDU 32 FP«, displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)

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

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For questions please contact mailbox@ritter.de or your any local distributor at https://www.ritter.de/en/worldwide/