**DRUM-TYPE GAS METERS**
**TG 25 STAINLESS STEEL 6 BAR • DATA-SHEET**

**Performance Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum flow $Q_{\text{min}}$</td>
<td>50 ltr/h</td>
</tr>
<tr>
<td>Standard flow $Q_{\text{standard}}$</td>
<td>5,000 ltr/h</td>
</tr>
<tr>
<td>Maximum flow $Q_{\text{max}}$</td>
<td>7,000 ltr/h</td>
</tr>
<tr>
<td>Measurement accuracy at standard flow</td>
<td>0.2 %</td>
</tr>
<tr>
<td>Measurement accuracy across measuring range</td>
<td>0.5 %</td>
</tr>
<tr>
<td>Measuring drum volume</td>
<td>25 ltr/U</td>
</tr>
<tr>
<td>Packing liquid quantity, approx</td>
<td>42 ltr</td>
</tr>
</tbody>
</table>

**Maximum gas inlet pressure** 6 bar

**Minimum differential pressure** (1) 0.1 mbar

**Minimum dial division** 0.2 ltr

**Maximum indication value** (2) 999,999,990 ltr

**Connection gas in/outlet** hose barb

**Inside-Ø hose barb** 18 mm

**Outside-Ø** 25 mm

(1) Differential pressure (= pressure loss) gas inlet gas outlet
(2) Standard Totalizing Roller Counter

**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>520 mm</td>
<td>520 mm</td>
<td>730 mm</td>
<td>53.0 kg</td>
<td>40 °C</td>
</tr>
<tr>
<td>2</td>
<td>Stainless Steel</td>
<td>PE-el</td>
<td>520 mm</td>
<td>520 mm</td>
<td>730 mm</td>
<td>52.5 kg</td>
<td>60 °C</td>
</tr>
<tr>
<td>3</td>
<td>Stainless Steel</td>
<td>PP-grey</td>
<td>520 mm</td>
<td>520 mm</td>
<td>730 mm</td>
<td>52.5 kg</td>
<td>60 °C</td>
</tr>
<tr>
<td>4</td>
<td>Stainless Steel</td>
<td>PVDF</td>
<td>520 mm</td>
<td>520 mm</td>
<td>730 mm</td>
<td>54.6 kg</td>
<td>60 °C</td>
</tr>
</tbody>
</table>
Caution

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

For chemical resistance properties please contact your RITTER distribution partner!

Standard Equipment

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

Built-in Options

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

Accessories

\begin{itemize}
  \item Data Acquisition Software »RIGAMO«, (for Windows)
  \item Thermometer Gas (TG), measuring range 0 °C to +60 °C
  \item Thermometer Packing Liquid (TG), measuring range 0 °C to +60 °C
  \item Manometer for pressure $p_{\text{max}} \leq 10 \text{ bar}$, measuring range 0-6 / 0-10 bar; available for higher pressure ranges
  \item Electronic Display Unit »EDU 32 FP«, displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)
\end{itemize}

The most recent version of this data-sheet can be found at https://www.ritter.de/en/data-sheets/tg-25-stainless-steel-6-bar/

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