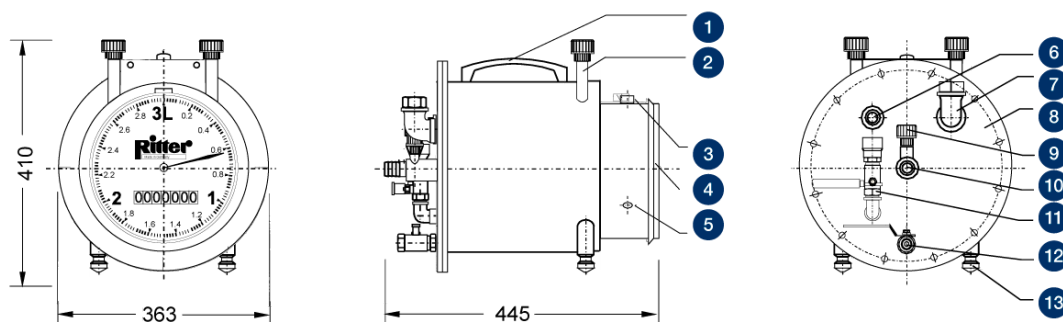


DRUM-TYPE GAS METERS

TG 3 STAINLESS STEEL 1 BAR • DATA-SHEET



Legend

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- | | | |
|-------------------------|--|---------------------------------|
| 1. Handle | 2. Support for: thermometer (gas) thermometer (packing fl.) manometer | 3. Level |
| 9. Manometer connection | 10. Gas inlet | 4. Removable cover |
| 12. Drainage faucet | 13. Levelling foot | 5. Puls generator port (option) |
| | | 6. Gas outlet |
| | | 7. Filling nozzle |
| | | 8. Removable rear plate |
| | | 11. Filling level indicator |

Performance Data

| | | | |
|---|-----------|--|----------------|
| Minimum flow Q_{\min} | 6 ltr/h | Maximum gas inlet pressure | 1 bar |
| Standard flow Q_{standard} | 300 ltr/h | Minimum differential pressure ⁽²⁾ | 0.2 mbar |
| Maximum flow Q_{\max} | 360 ltr/h | Minimum dial division | 0.02 ltr |
| Measurement accuracy at standard flow | 0.2 % | Maximum indication value ⁽³⁾ | 99,999,999 ltr |
| Measurement accuracy across measuring range | 0.5 % | Connection gas in/outlet | hose barb |
| Measuring drum volume | 3 ltr/U | Inside-Ø hose barb | |
| Packing liquid quantity, approx | 11 ltr | Outside-Ø hose barb | 14 mm |

⁽²⁾ Differential pressure (= pressure loss) gas inlet gas outlet

⁽³⁾ Standard Totalizing Roller Counter

Models (materials)

| Model | Casing | Measuring drum | Width | Height | Depth | Weight (without packing liquid) | Max. constant use temperature |
|-------|-----------------|----------------|--------|--------|--------|---------------------------------|-------------------------------|
| 1 | Stainless Steel | PVC-grey | 363 mm | 410 mm | 445 mm | 15.8 kg | 40 °C |
| 2 | Stainless Steel | PE-el | 363 mm | 410 mm | 445 mm | 15.7 kg | 60 °C |

| Model | Casing | Measuring drum | Width | Height | Depth | Weight (without packing liquid) | Max. constant use temperature |
|-------|-----------------|----------------|--------|--------|--------|---------------------------------|-------------------------------|
| 3 | Stainless Steel | PP-grey | 363 mm | 410 mm | 445 mm | 15.7 kg | 80 °C |
| 4 | Stainless Steel | PVDF | 363 mm | 410 mm | 445 mm | 16.2 kg | 80 °C |

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 $p_{max} \leq 1$ 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)

V 3.3 / Rev. 2019-01-11 / Subject to alterations.

The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheets/tg-3-stainless-steel/>

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