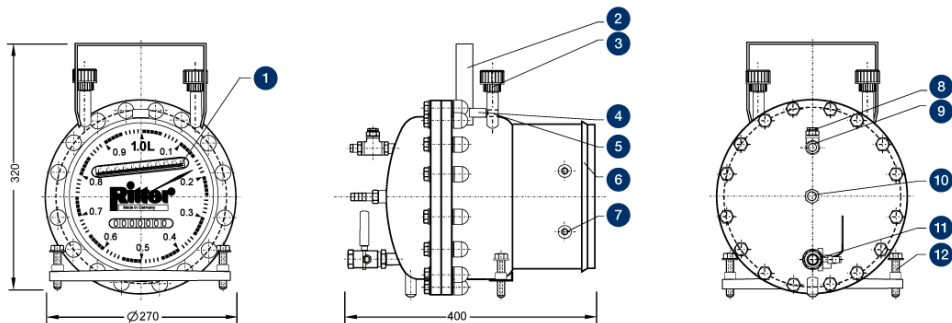


DRUM-TYPE GAS METERS
TG 5 STAINLESS STEEL 2.5 BAR • DATA-SHEET



Legend

+

- 1. Handle
- 2. Support for gas & packing fluid thermometer
- 3. Level
- 4. Removable cover
- 5. Pulse generator port (option)
- 6. Gas outlet
- 7. Filling nozzle
- 8. Rear plate
- 9. Manometer connection
- 10. Gas inlet
- 11. Standard Level indicator
- 12. Drainage faucet
- 13. Levelling foot
- 14. High precision level indicator "HPLI"

Performance Data

Minimum flow Q_{min}	10	ltr/h	Maximum gas inlet pressure	2.5	bar
Standard flow $Q_{standard}$	500	ltr/h	Minimum differential pressure ⁽¹⁾	0.2	mbar
Maximum flow Q_{max}	600	ltr/h	Minimum dial division	0.02	ltr
Measurement accuracy at standard flow	0.2	%	Maximum indication value ⁽²⁾	99,999,999	ltr
Measurement accuracy across measuring range	0.5	%	Connection gas in/outlet	hose barb	
Measuring drum volume	5	ltr/U	Inside-Ø hose barb		
Packing liquid quantity, approx	12	ltr	Outside-Ø	0	mm

⁽¹⁾ Differential pressure (= pressure loss) gas inlet gas outlet

⁽²⁾ 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	390 mm	410 mm	530 mm	31.1 kg	40 °C
2	Stainless Steel	PE-el	390 mm	410 mm	530 mm	30.9 kg	60 °C
3	Stainless Steel	PP-grey	390 mm	410 mm	530 mm	30.9 kg	60 °C
4	Stainless Steel	PVDF	390 mm	410 mm	530 mm	31.5 kg	60 °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 $p_{max} \leq 10$ bar , measuring range 0-6 / 0-10 bar; available for higher pressure ranges
- › Electronic Display Unit »EDU 32 FP« , displays volume and calculates flow rate via RS232 and analog-output in realtime (pulse generator required)

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The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheets/tg-5-stainless-steel-2-5-bar/>

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