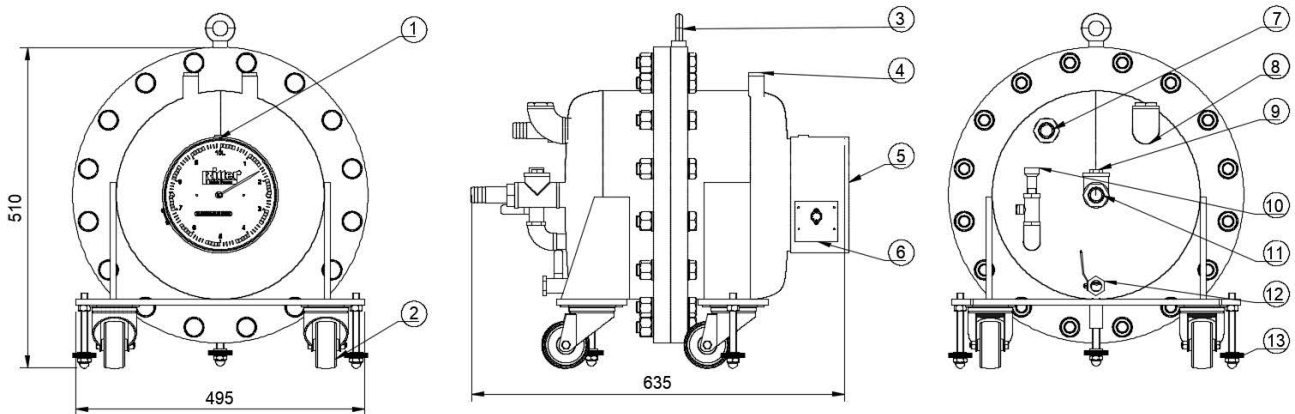# DRUM-TYPE GAS METERS
TG 10 STAINLESS STEEL 6 BAR • DATA-SHEET

Legend

1. Level
2. Transport roll
3. Eye screw
4. Support for thermometer G 1/2 i
5. Removable cover
6. Pulse generator port (option)
7. Gas outlet
8. Filling nozzle
9. Support for manometer G 3/8 i
10. Packing liquid level indicator
11. Gas inlet
12. Drainage faucet
13. Leveling foot

Performance Data

Minimum flow Q_{min}	20	ltr/h	**Maximum gas inlet pressure**	**6**	**bar**
Standard flow $Q_{standard}$	1,000	ltr/h	Minimum differential pressure [1]	0.1	mbar
Maximum flow Q_{max}	1,200	ltr/h	Minimum dial division	0.1	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	
			Inside-Ø hose barb	18	mm
Measuring drum volume	10	ltr/U	Outside-Ø hose barb	26	mm
Packing liquid quantity, approx	19.5	ltr			

[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	495 mm	510 mm	635 mm	85.2 kg	40 °C
2	Stainless Steel	PE-el	495 mm	510 mm	635 mm	84.8 kg	60 °C
3	Stainless Steel	PP-grey	495 mm	510 mm	635 mm	84.8 kg	60 °C
4	Stainless Steel	PVDF	495 mm	510 mm	635 mm	85.7 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 pmax ≤ 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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