DRUM-TYPE GAS METERS TG 0.5 STAINLESS STEEL 6 BAR • DATA SHEET

Legend ⌄   +

1. Handle
2. Support unit for:
   Thermometer (gas)
   Thermometer (packing fl.)
3. Level
4. Removable cover
5. Pulse generator port
6. Gas inlet
7. Filling nozzle
8. Levelling foot
9. Gas outlet
10. Manometer connection
11. Liquid level indicator
12. Drainage faucet

Performance Data

Minimum flow Q_{min}	1	ltr/h		**Maximum gas inlet pressure**	**6**	**bar**
Standard flow $Q_{standard}$	50	ltr/h		Minimum differential pressure [1]	0.2	mbar
Maximum flow Q_{max}	60	ltr/h		Minimum dial division	0.002	ltr
Measurement accuracy at standard flow	0.2	%		Maximum indication value [2]	9,999,999.9	ltr
Measurement accuracy across measuring range	0.5	%		Connection gas in/outlet	hose barb	
Measuring drum volume	0.5	ltr/U		Inside-Ø hose barb		
Packing liquid quantity, approx	2.7	ltr		Outside-Ø	15	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	300 mm	350 mm	305 mm	13.3 kg	40 °C
2	Stainless Steel	PE-el	300 mm	350 mm	305 mm	13.2 kg	60 °C
3	Stainless Steel	PP-grey	300 mm	350 mm	305 mm	13.2 kg	60 °C

Model	Casing	Measuring drum	Width	Height	Depth	Weight (without packing liquid)	Max. constant use temperature
4	Stainless Steel	PVDF	300 mm	350 mm	305 mm	13.5 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

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)