

## Drum-type Gasmeters TG-Series (Wet-Type)

- Equipment:**
- 4-Chamber Measuring Drum
  - Magnetic Coupling (between the measuring drum and counting mechanism)
  - 8-digit Totalizing Roller Counter
  - large, one-Needle dial
  - Filling-level Indicator (for setting the Packing Liquid level)
  - Manometer/Thermometer Supports
  - Viton sealing
  - Level; and Levelling Feet.

- Performance Data:**
- Measuring accuracy:  $\pm 0.2\%$  at standard flow rate (exact value is stated in individual Calibration Certificate), approx  $\pm 0.5\%$  over the measurement range
  - Maximum gas inlet pressure (overpressure):  
50 mbar with plastic casings  
500 mbar with stainless steel casings
  - Flow rate (measuring range) and meter indication:

Type	Flow Rate			Indication	
	Minimum [ltr/h]	Maximum [ltr/h]	Standard [ltr/h]	Minimum Dial Division [ltr]	Maximum Value [ltr]
TG 01	0.1	40	10	0.0005 <sup>(1)</sup>	999.9999 <sup>(1)</sup>
TG 05	1	60	50	0.002	9,999,999.9
TG 1	2	120	100	0.01	99,999,999
TG 3	5	360	300	0.02	99,999,999
TG 5	10	600	500	0.02	99,999,999
TG 10	20	1,200	1,000	0.1	99,999,999
TG 20	100	4,000	3,200	0.2	999,999,990
TG 25	100	7,000	5,000	0.1	999,999,990
TG 50	200	18,000	10,000	0.5	999,999,990

<sup>(1)</sup>Indication at EDU32

**Available Models (Materials):**

Casing	Measuring drum	Model	Legend:
PVC-transparent	PVC-grey	5	PVC = Polyvinyl chloride
PP-grey	PP-grey	6	PP = Polypropylene
PVDF	PVDF	7	PVDF = Polyvinylidene fluoride
PE-el	PE-el	8	PE-el = Polyethylene-electrically conductive
1.4571	PVC-grey	1	PVC = Polyvinyl chloride
1.4571	PE-el	2	1.4571 = Refined stainless steel
1.4571	PP-grey	3	
1.4571	PVDF	4	Viton = Fluorine rubber

For chemical resistance properties please contact **RITTER**.  
Both the casings out of plastic and stainless steel are welded.

**Accessories:** Thermometer (gas), range 0° to +60°C  
Thermometer (packing liquid), range 0° to +60°C  
Manometer, range 10 mbar differential pressure  
Electronic Display Unit, including Interface RS 232 and Analog Output  
(requires Pulse Generator)

Built-in Options:

High Precision Liquid Level Indicator ("HPLI")  
Resettable Roller Counter, 6-digit (substitutes Totalizing Roller Counter)  
Pulse Generator (for connection of Electronic Display Unit or Computer)