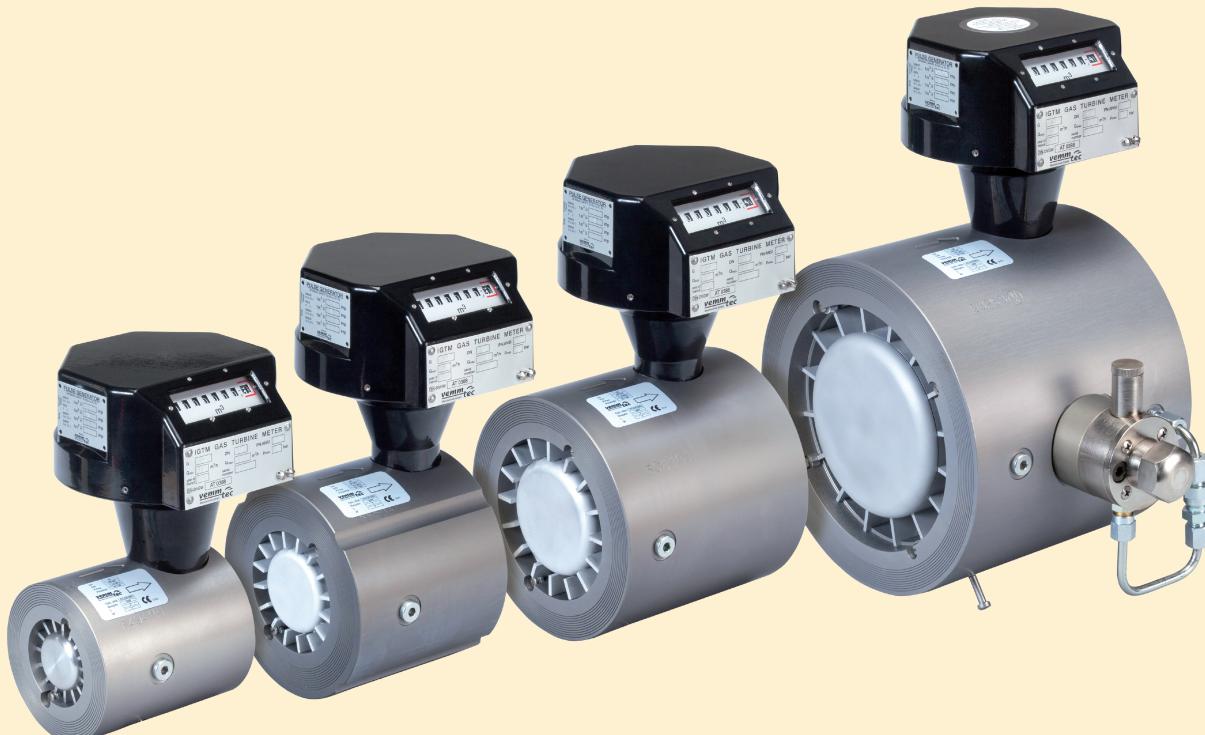


IGTM-WAFER TYPE

Turbinenradgaszähler

The IGTM-WT is an industrial gas turbine meter for accurate volume and flow measurement. An 8-digit mechanical counter increments with gas passing through the meter. A standard low frequency pulser provides pulses per m³ (1R1) and can be connected to an electronic volume converter (EVC) for pressure and temperature conversion.



DN [mm] (Inch)	Size G	Q _{max} [m ³ /h]	Q _{min} [m ³ /h]
DN 50 (2")	40 & 65	100	10
DN 65 (2.5")	100	160	13
DN 80 (3")	100 & 160	250	10
		400	20
DN 100 (4")	160 & 250	400	13
		650	32
DN 150 (6")	400 & 650	1000	32
		1600	80
DN 200 (8")	650 & 1000	1600	50
		2500	130

Optionally, high frequency flow proportional pulses can be generated:
approximately 50 to 320 Hz at Q_{max} (HF3)

Extremely low weight of the IGTM-WT due to the wafer form, to be clamped between the pipe flanges, and because the body is made of durable aluminium.

Accurate and affordable.

- IGTM-WT for industrial gas flow measurement applications
- Diameter DN50, DN65, DN 80, DN 100, DN 150, DN 200 (2", 2,5", 3", 4", 6", 8")
- Flow rates from 10 m³/h to 2500 m³/h
- PN10/16 and ANSI 150# RF applications
- Volume measurement with 8-digit mechanical counter
- Several electronic pulse transmitter options
- The meter is clamped between two flanges
- Lightweight anodized aluminium body
- Insensitive to upstream flow disturbances
- Lifetime lubricated bearings for DN 50 (2") to DN 100 (4")
- CE and EN 97/23/EC PED compliant
- IP 65 protection and suitable for Zone I
- All non-aggressive gases
- Electronic volume converters (PTZ-BOX) can optionally be provided
- Accuracy: $\pm 1,5\% \text{ für } 0,2 Q_{\max} \leq Q \leq Q_{\max}$
 $\pm 3\% \text{ für } Q_{\min} \leq Q \leq 0,2 Q_{\max}$
- Repeatability: $\pm 0.1\%$ or better
- Calibration and material certificates can be provided
- Materials of construction
 - Housing: aluminium EN-AW5083 (AlMg4.5Mn0.7)
 - Index head housing, flow deflector, bearing block, rotor: aluminium
 - Bearings, magnetic coupling, main shaft: stainless steel

DN [mm] (Inch)	Size G	Q _{max} [m ³ /h]	Q _{min} [m ³ /h]	D Diameter [mm]	H Height [mm]	L Length [mm]	Weight [kg]	k-factor 1R1 Reed switch [imp ³ /h]	k-factor *) HF3 NAMUR Sensor (option) [imp ³ /h]	[Hz]
DN 50 (2")	40 & 65	100	10	102	227	120	3.6	10	4400	120
DN 65 (2.5")	100	160	13	122	237	120	4.7	10	7200	315
DN 80 (3")	100 & 160 250	250 400	10 20	138	266	120	5.1	1 1	1200 670	80 70
DN 100 (4")	160 & 250 400	400 650	13 32	158	286	150	6.8	1 1	800 440	90 80
DN 150 (6")	400 & 650 1000	1000 1600	32 80	216	343	180	12.8	1 0.1	360 135	100 60
DN 200 (8")	650 & 1000 1600	1600 2500	50 130	270	397	200	19.2	0.1 0.1	145 80	65 55

*) The final frequency and k-factor will be mentioned at the meter's name plate and in the calibration certificate.



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