

## IGTM – Wafer Type

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 m<sup>3</sup> (1R1) and can be connected to an electronic volume converter (EVC) for pressure and temperature conversion.



DN [mm] (Inch)	Size G	Q <sub>max</sub> [m <sup>3</sup> /h]	Q <sub>min</sub> [m <sup>3</sup> /h]
DN 50 (2")	40 & 65	100	10
DN 65 (2½")	100	160	13
DN 80 (3")	100 & 160	250	10
	250	400	20
DN 100 (4")	160 & 250	400	13
	400	650	32
DN 150 (6")	400 & 650	1000	32
	1000	1600	80
DN 200 (8")	650 & 1000	1600	50
	1600	2500	130

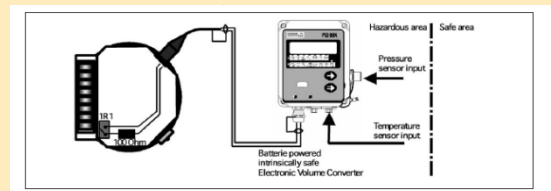
Optionally, high frequency flow proportional pulses can be generated:  
approximately 50 to 320 Hz at Q<sub>max</sub> (HF3)

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 DN 50, DN 65, DN 80, DN 100, DN 150, DN200 (2", 2.5", 3", 4", 6", 8")
- Flow rate from 10 m<sup>3</sup>/h to 2500 m<sup>3</sup>/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:  $\pm 1.5\%$  for  $0.2 Q_{max} \leq Q \leq Q_{max}$   
 $\pm 3\%$  for  $Q_{min} \leq Q < 0.2 Q_{max}$
- 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 <sub>max</sub> [m <sup>3</sup> /h]	Q <sub>min</sub> [m <sup>3</sup> /h]	D Diameter [mm]	H Height [mm]	L Length [mm]	Weight [kg]	k-Factor 1R1 Reed switch [imp/m <sup>3</sup> ]	k-Factor *)	
									HF3 NAMUR sensor (option) [imp/m <sup>3</sup> ]	[Hz]
DN 50 (2")	40 & 65	100	10	102	227	120	3.6	10	4400	120
DN 65 (2½")	100	160	13	122	237	120	4.7	10	7200	315
DN 80 (3")	100 & 160 250	250	10	138	266	120	5.1	1	1200	80
		400	20					1	670	70
DN 100 (4")	160 & 250 400	400	13	158	286	150	6.8	1	800	90
		650	32					1	440	80
DN 150 (6")	400 & 650 1000	1000	32	216	343	180	12.8	1	360	100
		1600	80					0.1	135	60
DN 200 (8")	650 & 1000 1600	1600	50	270	397	200	19.2	0.1	145	65
		2500	130					0.1	80	55

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