

CPT Turbine Gas Meter



CPT Quantometers Inline Turbine Gas Meter suitable for natural gas & LPG

CPT Quantometers have been designed in order to provide our customers with reliable and inexpensive measuring instruments for secondary flows.

At a glance

- Inline turbine gas meters with wafer connections to suit PN16 flanges
- Fitted with low frequency pulse output as standard – multiple LF & HF options available
- Aluminium body, suitable for natural gas and LPG, -20°C to +60°C
- Biogas option available, filter recommended for this media.
- For horizontal or vertical pipelines with 5 x DN straight lengths of pipe up stream
- Nominal rangeability 1:20, meters read in cubic metres, index can be head rotated through 350°

Model	DN mm	Minimum Flow Rate m3/h	Maximum Flow Rate m3/h	Connections
CPT/25GXX	25	2.5	40	BSP Screwed
CPT/30GXX	30	2.5	40	BSP Screwed
CPT/40GXX	40	6	100	BSP Screwed
CPT/50GXX	50	6	100	BSP Screwed
CPT/50GXX	50	6	100	Wafer Pattern PN16
CPT/65GXX	65	8	160	Wafer Pattern PN16
CPT/80GXXX	80	8	400	Wafer Pattern PN16
CPT/100GXXX	100	13	650	Wafer Pattern PN16
CPT/150GXXX	150	30	1600	Wafer Pattern PN16
CPT/200GXXX	200	50	2500	Wafer Pattern PN16

Dimensions and weight

Overall dimensions and weights of the CPT-01 Quantometers

Table 1: Specification of the CPT-01 Quantometers.

DN	G	Maximum flow Q _{max} m ³ /h	Pressure loss at Q _{max} * mbar	Minimum flow Q _{min}			LF pulse rate pulse/m ³	HF1, HF2 pulse rate pulse/m ³	HF pulse rate pulse/m ³
				1:10 m ³ /h	1:20 m ³ /h	1:30 m ³ /h			
40	40	65	2,5	6	-	-	10	2610	94830
	65	100	5,0	10	-	-		2610	94830
50	40	65	2,5	6	-	-	10	2610	94830
	65	100	5,0	10	-	-		2610	94830
65	65	100	1,6	10	8	-	10	1081	42560
	100	160	3,8	16	8	-		1081	42560
80	100	160	3,7	16	8	-	1	1081	42560
	160	250	5,4	25	13	8		844	30650
	250	400	11,4	40	20	13		470	17060
100	160	250	3,7	-	13	8	1	692	16780
	250	400	4,2	-	20	13		692	16780
	400	650	8,8	-	32	20		401	9720
150	400	650	2,4	-	32	20	1	227	6870
	650	1000	6,4	-	50	32		227	6870
	1000	1600	16,0	-	80	50		0,1	129
200**	650	1000	2,0	-	50	32	1	114	3110
	1000	1600	6,0	-	80	50		116	3170
	1600	2500	15,0	-	130	80		0,1	67

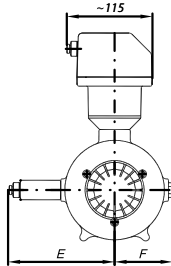
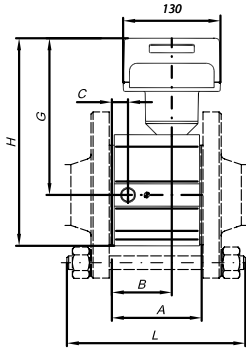
* Pressure loss for air at atmospheric conditions ** DN200 casing is made of steel.
All quantometers' casings are made of aluminium apart from DN200.
Contact your local representative or the producer to get more information about the products.

Table 2: Dimensions and weights of the CPT-01 Quantometers.

DN	A	B	C	D	E	F	G	H	J	k*	L	Weight
	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	kg
50	100	65	18	32	158	74	199	252	78	4xM16	200	3,6
65	120	80	21	38	170	86	211	278	90	4xM16	220	5,1
80	120	80	21	38	170	86	211	278	90	8xM16	220	5,3
100	150	100	29	53	185	100	225	305	105	8xM16	250	7,4
150	180	127	50	76	210	125	243	351	130	8xM20	300	11,6
200	200	146	56	83	225	140	272	407	145	12xM20	320	48,5

k* - amount of stud bolts necessary for mounting the wafer-type quantometers
Contact your local representative or the producer to get more information about the products.

Sandwich version



Dimensions E & F for all types

Dimensions and weights of the CPT-01 Screwed Quantometers

Table 3: Specification of the CPT-01 Screwed Quantometers.

DN	G	Internal thread	Maximum flow Q _{max} m ³ /h	Pressure loss*		Minimum flow Q _{min} 1:10 m ³ /h	LF pulse rate pulse/m ³	HF1, HF2 pulse rate pulse/m ³	HF3 pulse rate pulse/m ³
				Q _{nom} mbar	Q _{max} mbar				
25	16	1; 1¼	25	1,5	4	2,5	10	9770	113585
	25	1	40	1,5	4	4		8710	101275
32	25	1¼	40	1,4	3,2	4	10	8925	103755
40	40	G 1½	65	1	2,5	6	10	2610	94830
	65		100	2	5	10		2610	94830
50	40	G 2	65	1	2,5	6	10	2610	94830
	65		100	2	5	10		2610	94830

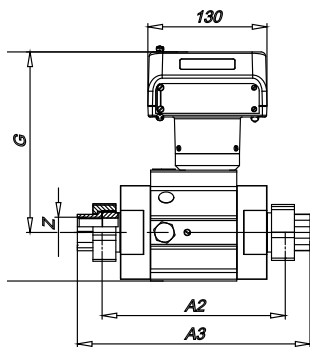
* Pressure loss for air at atmospheric conditions
All quantometers' casings are made of aluminium.
Contact your local representative or the producer to get more information about the products.

Table 4: Dimensions and weights of the CPT-01 Screwed Quantometers.

DN	A1	A2	A3	G	H	Z	Weight
	mm	mm	mm	mm	mm	inch	kg
25	-	200	250	199	252	1; 1¼	4,6
32	-	200	250	199	252	1¼	4,6
40	160	-	-	199	252	G 1½	4,4
50	160	-	-	199	252	G 2	4,4

G Threads as per DIN/ISO 228-1 standard and the others as per ISO 7-1/EN 10226-1 standard.

with couplings



with internal threads

