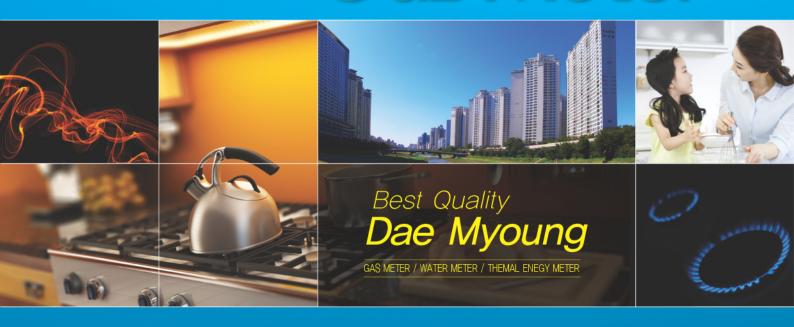
Diaphragm Gas Meter









Domestic Diaphragm Gas Meters



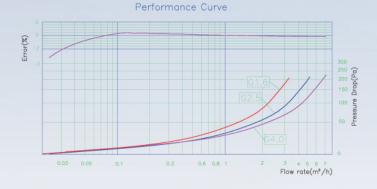
Applicable Gas

· City gas, LPG, Natural Gas

Features

- DMIT gas meter is high accurate meter meeting international standard (OIML) and Korea standard.
- High quality nitrile coated rubber polyester base fabric is used for smooth rotation of movement, so it can measure very small volume(Qmin) accurately.
- Noise is minimized by using precious rotary valve and valve seat.
- Drain pan of gas meter inlet collects dirty or sludge and prevents frozen by moisture in winter.
- Under the differential pressure, the performance is excellent. The material of diaphragm is durable against low and high temperature and water proofing with no deformation.

Performance Curve



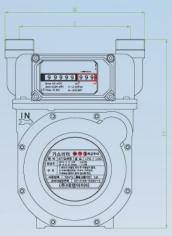
Mechanism

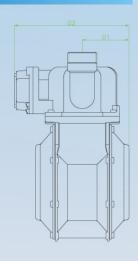
 When gas flows into gas meter, it flows to measuring chamber through distribution chamber. Then the diaphragm ge-nerates alternating movement, which is converted to rotation movement by a gear, and such rotation movement indicates the gas usage on meter index.

Material

- Housing is made of die casted aluminum, which is durable from external shocks and corrosion.
- Rotating axis is strong against cold and hot by using good lubricant grease, so it maintains smooth rotation for long time operation

Specification / Dimension





Specification		KG2	KG3S	G1.6	G2,5	G4.0	G6.0A	G6,0B	
Max Capacity (m³/h)		2,5	2,5		4	6	10		
Min C	Capacity (m³/h)	0,016	0.0	0.016 0.025 0.04 0.06		06			
Cyclic	volume (L/rev)	0.4	0.	78	1	1.2 2		2	
Max	Max Counter (m³/h)		9999,99	9	99999,999				
Max operating Pressure (kPa) 10									
Min Counter (L)		0.2							
Acquirocu	Qmin≤Q(0,1Qmax	±3.0							
Accuracy	0,1Qmax≤Q≤Qmax	±1,5							
Ten	nperature °C	-20~+60							
Weight (Kg)		1,5	1.6		1,8	2	2,8	3.0	
Con	Connecting pipe		15mm 20mm 20mm 20mm 2		25r	nm			
(UNION)		PT1/2'	PT1/2'	PT3/4"	PT3/4"	PT3/4'	PT1'		

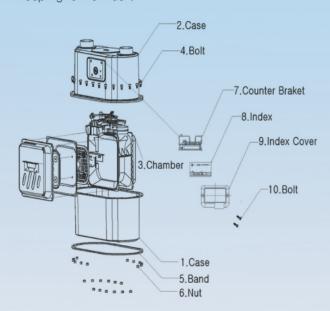
Dimension		KG2	KG3S	G1,6	G2,5	G4.0	G6.0A	G6.0B
(mm)	Height (H)	197	214	214	221	230,5	27	9,5
	Width (W)	128	164	164	164	165	171,91	
	Center (C)	100	100	130	130	130	130	250
	Depth (D1)	44	52	52	55	54	61	
	Depth (D2)	110	130	130	134	134,5	14	18

Commercial & Industrial Diaphragm Gas meters

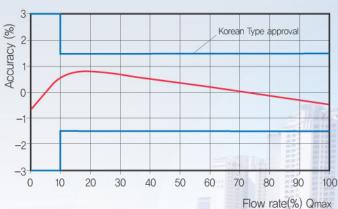


Mechanism

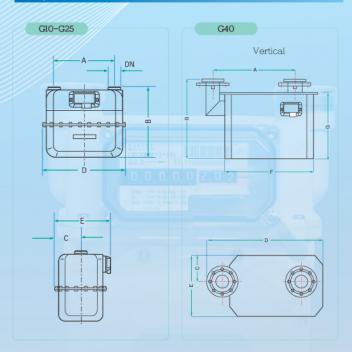
Measuring chambers are separated by synthetic diaphragms. The chambers are filled, and emptied periodically as the chambers slide left and right, and the movement of the diaphragms is transferred via a gear to the crankshaft. This shaft moves the valves, which control the gas flow. The rotations of the gear are transferred via a magnetic coupling to the index.



Accuracy curve



Specification / Dimension



Indication	unit	G10	G16	G25	G40
А	mm	280	280	335	510
В	mm	333	333	398	495
С	mm	119	119	143	172
D	mm	415	415	475	753
Е	mm	239	239	294	400
F	mm	-	-	-	551
G	mm	-	-	-	415
Weight	Kg	6,7 (7,7)	6,7 (7,7)	11 (12,5)	50

				10" A 1010" (40 1" A 11 4000 1 10) 100 1		
	G10	G16	G25	G40		
Nominal Diameter (DN)	40mm(Union)		50mm(Union)	80mm(Flange)		
Operating Pressure (Kpa)		50 (100Kpa option)				
Cyclic Volume (dm³)	6	hay /	12	18		
Minimum Capacity (m³/h)	0.1	0.16	0,25	0,4		
Maximum Capacity (m³/h)	16	25	40	65		
T.D.R	121 72 , 7 1			: 160		
Error P Qmax - Qt	Within ±1,5%					
Error P Qt - Qmin	Within ±3,0%					
Max counter	999999.99					
Using Gas	LDO LDO lood Occ					
Body Material	Aluminium Steel					
Pulser	Magnet for the pulse was installed inside.					
Approval	proval Korean Type Approval					
THE RESERVE TO SERVE THE PARTY OF THE PARTY			N 5 7 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			







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