

**G1.6S, G2.5S,
G4S**

Steel case gas meters



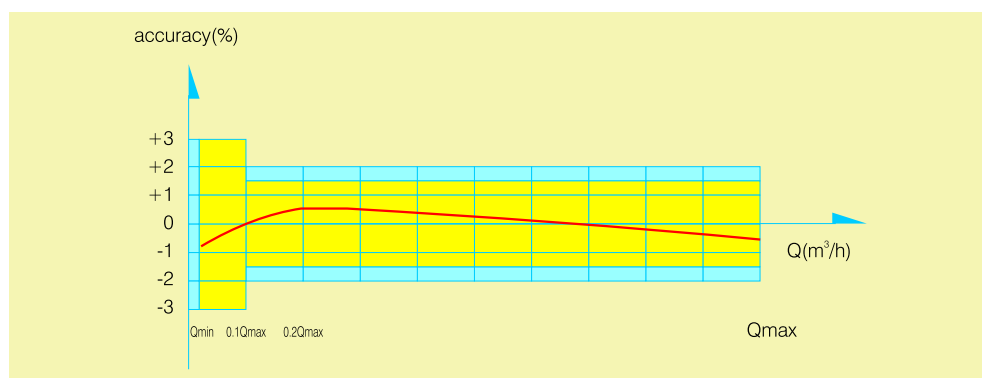
1 General

G1.6S, G2.5S, G4S steel case gas meter is suitable for measuring the flow-rate of natural gas,artificially gas, liquefied petroleum gas,marsh gas, etc.

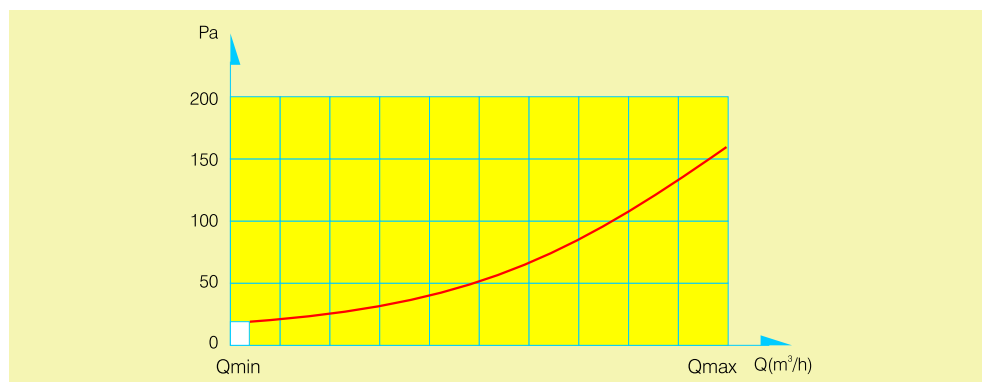
The measuring group of the meter divided into separate cavities. Process of the central body is injection, with engineer plastic material highly resistant to gas corrosion. Diaphragm is made of high quality polyester fibre with special vulcanization process. Process to manufacture valve and valve seat is compression, material used is bakelite. The valve & valve seat is resistant to wear, having low water absorption, low friction, and is also very stable.

This series of diaphragm gas meters have many advantages as follows: polyester plastic measuring group, high quality steel case. This series of meters have 2 type of transmission: magnetic and mechanical. Magnetic transmission has advantages of low friction, good air-tightness performance. Mechanical transmission is very reliable. Two types of register are available for this series of meter: bi-directional and mono-directional. Bi-directional register can read gas flowing in from both outlets and can reduce the gas company measurement loss. Mono-directional register is equipped with anti-reverse device; this type of register will stop reading if gas flows in from opposite direction. The installation of connections can be either by screws or by welding according to customer's request. This series of products have high sensitivity and accuracy measurement, easy to use and repair, strong anti-corrosion capability and long economic life. The meter performance can fulfill OIMLR31-1995 standard and EN1359-1998 standard requirement.

2 Error curve (%)



3 Pressure loss curve (Pa)



4 Main technical parameters

Technical index	Unit	Specification type		
		G1.6S	G2.5S	G4S
Nominal flow-rate(Qn)	m ³ /h	1.6	2.5	4
Max.flow-rate(Qmax)	m ³ /h	2.5	4	6
Min.flow-rate(Qmin)	m ³ /h	0.016	0.025	0.04
Cyclic volume	dm ³		1.2	
Operating pressure range	kPa	0.5~50		
Total pressure loss	Pa	≤200		
Operating temperature	°C	-10~+40(special require can reach to -30~+50)		
Basic error limit	0.1Qmax≤Q≤Qmax	±1.5%		
	Qmin≤Q<0.1Qmax	±3%		
Max reading	m ³	9999.9998		
Connection screw worm (D)		M30×2	G1 ³ / ₄ "	G1" G1 ¹ / ₄ "
Distance between connection centers(L)	mm	130	110	90
Weight	Kg	2.2		

5 Appearance and installation size

