

ZG(S)-1

Series IC card prepaid gas meters



1 General

ZG(S)-1 series of IC card prepaid gas meters are suitable for measuring the flow-rate of natural gas, liquefied petroleum gas, artificially gas, marsh gas, etc.

The meter has high accuracy measurement and long economic life. Apart from the original reading ability, it also has the following advantages: one particular card for each meter, display of gas volume, reminder of low voltage, protection at low voltage, reminder of insufficient credit, gas overdraft, illegal operation record, switching the valve off while electricity supply is cut off, display button, button to switch on valves, protection of card insert point, anti-magnetic attack, anti-disassembling meter and low power consumption. It is widely used for prepayment management in gas companies. The meter performance can fulfill OIMLR31-1995 standard and EN1359-1998 standard requirement.

2 Main technical parameters

Name	Aluminium case IC card prepaid gas meters	Steel case IC card prepaid gas meters
Technical index		
Rating working voltage		DC6V
Static working current	< 10 μA	< 30 μA
Most Instantaneous current	< 200mA	< 300mA
Impulse constant	0.1m ³ /impulse OR 0.01m ³ /impulse	

Specification type	Unit	Type				
		ZG1.6-1	ZG2.5-1	ZG1.6S-1	ZG2.5S-1	ZG4S-1
Nominal flow-rate(Qn)	m ³ /h	1.6	2.5	1.6	2.5	4
Max.flow-rate(Qmax)	m ³ /h	2.5	4	2.5	4	6
Min.flow-rate(Qmin)	m ³ /h	0.016	0.025	0.016	0.025	0.04
Operating pressure range	kPa	0.5~20	0.5~20	0.5~50	0.5~50	0.5~50
Total pressure loss	Pa	≤250				
Operating temperature	℃	-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	9999.9999		99999.9998		
Connection screw worm(D)		M30×2	G1 ³ / ₄ "	G1"	G1 ¹ / ₄ "	
The distance between						
Connection centers (L)	mm	130		130	110	90
Weight	kg	2		2.4		

3 Technical characteristic

- 3.1 Use 16 bit low power consumption of MCU for intelligent control cell, the logic card for information carrier.
- 3.2 Full-scale function, strong resistance attack, anti-tamper ability.
- 3.3 Use Valve controlling gas, this type of valve is already approved by national authorized organization in anti-riot, action safety, high reliability.
- 3.4 Use 2 type of transmission, collect data credibility.
- 3.5 Strict structure and beautiful appearance.
- 3.6 ZG(S)-1 series meter have one button with multi- function design, easy to operate.

4 Specification type

Aluminum case :ZG1.6-1, ZG2.5-1

Steel case: ZG1.6S-1, ZG2.5S-1, ZG4S-1

5 Appearance and installation size

