

ZG1.6S-5, ZG2.5S-5, ZG4S-5 (steel) IoT diaphragm gas meter

General

ZG1.6S-5、ZG2.5S-5、ZG4S-5 wireless remote diaphragm gas meter is a volumetric meter with smart and prepaid function, which are mainly used in measuring the volume of natural gas, liquid gas, marsh gas, city pipe gas and other gas with working pressure of 5mbar ~ 0.5bar.the meter can establish connection and communication with main station through internal GPRS module, with high reading efficiency. The reading system is low cost without any intermediate product.

Main function and Characteristic

- Data freeze: the data freeze can be done by daily and monthly;
- Timing upload: data timing upload is supported;
- Event report: the abnormal information will be automatically reported to the main station;
- Ladder price function: gas valued meter supports 4 price levels. Amount valued meter supports 5 price levels;
- Remote control: authorize to remotely shut off the vale and remotely open the value is supported;
- Remote price adjustment: include the adjustment for gas unit price and each level price;
- Remote recharge: remote recharge can be done by management center;
- Power-down measurement: real-time measurement still can be done after power down;
- Card function: IC card prepaid (optional);
- Protection class: the protection class of controller case can reach IP 65.



Main technical parameters

Main index	Specification & type	ZG1.6S-5	ZG2.5S-5	ZG4S-5
Nominal flow-rate(q_n)	m ³ /h	1.6	2.5	4
Max. flow-rate (q_{max})	m ³ /h	2.5	4	6
Min. flow-rate (q_{min})	m ³ /h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	$q_t \leq q \leq q_{max}$	$\pm 1.5\%$		
	$q_{min} \leq q < q_t$	$\pm 3\%$		
Total pressure loss	Pa	≤ 250		
Max. reading	m ³	99999.999		
Min. reading	m ³	0.0002		
Cyclic volume	dm ³	1.2		
Working voltage	V	DC6V (4pcs #5 Alkaline battery)		
Battery life		< 1 year (Upload frozen data once a day)		
Pulse equivalency		0,1 or 0,01		
Static working current	μ A	≤ 20		
GPRS communication current	mA	< 200		
Communication mode		GPRS		
Communication frequency band		GSM850/EGSM900/DCS1800/PCS1900		
Transmitting power		GSM850 (2W)、EGSM900 (2W)、DCS1800 (1W)、PCS1900 (1W)		
Receiving sensitivity	dBm	-108		
GPRS Data transfer rate	kbps	85.6		
Communication distance	m	GSM Network full coverage		

Appearance and installation size

A	90±0.50	110±0.50	130±0.50		
B	M26×1.5-6g	M30×2-6g	G%B	G1B	G1½B
C	228			226	

