

gas meter



General

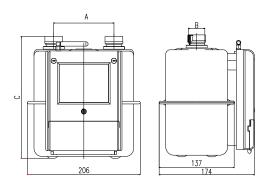
Based on our company's ZGS series common meters, this type of wireless remote gas meter is the one which has function of wireless data remote transmission and remote control after installing wireless transceiver control module. The purchased gas can be stored in the meter through wireless transmission, meanwhile, the gas information and meter status can be reported to reading management system.

Main function and characteristic

- Data remote transmission through LORA technology (frequency 470MHz~510MHz);
- Remote recharge through remote method;
- Remote reading, remote control and remote price adjusting can be done through both HHU and concentrator;
- With pre-purchased gas amount and unit price, and counted by amount;
- Remote reading, remote control and remote price adjusting can be done through both HHU and concentrator;
- Seamless link can be done between meter and concentrator (RS 232 or GPRS)using HHU;
- With function of automatically reporting fault information;
- Ultra-low power consumption with average static working current less than 20μA;
- Accurate measurement, using double pulse;
- Anti-theft, automatic detection of external magnetic interference;
- Good sealing with protection class IP 65;
- 5 level ladder method is supported. Different prices can be valued for different use by setting settlement cycle (such as 1 month).

Appearance and installation size

Α	90±0.50	110±0.50	130±0.50		
В	M26×1.5-6g	M30×2-6g	G¾B	G1B	G1¼B
С	228				226



Main technical parameters

Technical index type	Specification &	ZG1.6S-62	ZG2.5S-62	ZG4S-62		
Nominal flow-rate (q _n)	m³/h	1.6	2.5	4		
Max. flow-rate (q _{max})	m³/h	2.5	2.5 4			
Min. flow-rate (q_{min})	m³/h	0.016	0.025	0.04		
Operating pressure ra	Operating pressure range kPa		0.5~50			
Max. permissible	$q_t{\leqslant}q{\leqslant}q_{max}$	±1.5%				
error	$q_{min}\!\leqslant\!q < q_t$	$\pm 3\%$				
Total pressure loss	Pa	≤250				
Max. reading	m^3	99999.999				
Min. reading	m³	0.0002				
Cyclic volume dm ³		1.2				
Working voltage	V	DC6V (4pcs #5 Alkaline battery)				
Counting sampling me	thod	Reed switch or Hall double pulse				
Pulse equivalency m³/pulse		0.1or 0.01				
Static working current	μΑ		≤20			
Carrier frequency	MHz		470~510			
Transmitting power	mW	≤50				
Communication speed	bps	9600				
Communication distance	ce m	Open field>3000m, Inside building (30~300) m				
Working way		Half-duplex				
Receiving sensitivity	dBm	-120				

Standard CJ/T112-2008、GB/T6968-2011、JJG577-2012、CJ/T188-2004、CJ/T503-2016



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 \sim 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	e(q _n) m³/h	1.6	2.5	4	
Max. flow-rate (q	_{max}) m ³ /h	2.5	4	6	
Min. flow-rate (q _n	_{nin}) m³/h	0.016	0.025	0.04	
Operating pressu	ure range kPa	0.5~50			
Max. permissible	$q_t \leq q \leq q_{max}$	±1.5%			
error	$q_{min}\!\leqslant\!q < q_t$	±3%			
Total pressure lo	ss Pa	≤250			
Max. reading	m3	99999.999			
Min. reading m3		0.0002			
Cyclic volume	dm3	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 cu	ırrent μA	≤20			
GPRS communic	cation current mA	< 200			
Communication i	mode	GPRS			
Communication t	frequency band	GSM850/EGSM900/DCS1800/PCS1900			
Transmitting pow	ver	GSM850 (2W) 、EGSM900 (2W) 、DCS1800 (1W) 、PCS1900 (1W)			
Receiving sensitivity dBm		-108			
GPRS Data transf	er rate kbps	85.6			
Communication	distance m	GSM Network full coverage			

Standard CJ/T112-2008、GB/T6968-2011、JJG577-2012、CJ/T188-2004、CJ/T503-

Appearance and installation size

Α	90±0.50	110±0.50	130±0	0.50	
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