

ZG1.6S-3、ZG2.5S-3、ZG4S-3 (Steel) Wireless remote IC card diaphragm gas meter

General

Based on our company's common meters, this type of wireless remote gas meter has function of wireless data remote transmission and remote control after installing wireless transceiver control module and IC card reading module. The purchased gas can be stored in the meter through wireless transmission and IC card input, 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);
- Can be through the IC card or wireless remote way to achieve pre-payment function;
- Structure and beautiful appearance, using special designed built-in helical antenna;
- 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 reading system using HHU;
- With function of automatically reporting fault information;
- Ultra-low power consumption with average static working current less than 20 μ A;
- 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).



Main technical parameters

Main index	Specification & type	ZG1.6S-3	ZG2.5S-3	ZG4S-3
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	$q_i \leq q \leq q_{max}$	$\pm 1.5\%$		
	$q_{min} \leq q < q_i$	$\pm 3\%$		
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)		
Sampling method		Reed switch or Hall double pulse		
Static working current	μ A	≤ 20		
Carrier frequency	MHz	470~510		
Transmitting power	mW	≤ 50		
Communication speed	bps	9600		
Communication distance	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			

Appearance and installation size

A	90 \pm 0.50	110 \pm 0.50	130 \pm 0.50		
B	M26 \times 1.5-6g	M30 \times 2-6g	G $\frac{3}{4}$ B	G1B	G1 $\frac{1}{4}$ B
C	228				226

