

Smart diaphragm gas meter

Application

Natural gas, town gas,
and other gases confirm to EN 437.

Accreditation

- MID (2014/32/EU) (NMI)
- EN1359:2017(NMI)
- OIML-R137-1:2012(NMI)

Product Overview

Solid build quality, high accuracy, safety and a series of advanced technical details make the AES-ZA diaphragm gas meter a high-grade measuring Instrument. It is characterized by precise measurements, a constant measuring stability, a long life and high reliability. Thanks to the use of high-grade materials, the diaphragm gas meter is resistant to corrosion.

The AES-ZA smart diaphragm gas meter is a smart gas metering product based on the AES-ZA mechanical diaphragm gas meter, combined with a built-in shut-off valve and a smart controller with communication module.

Features

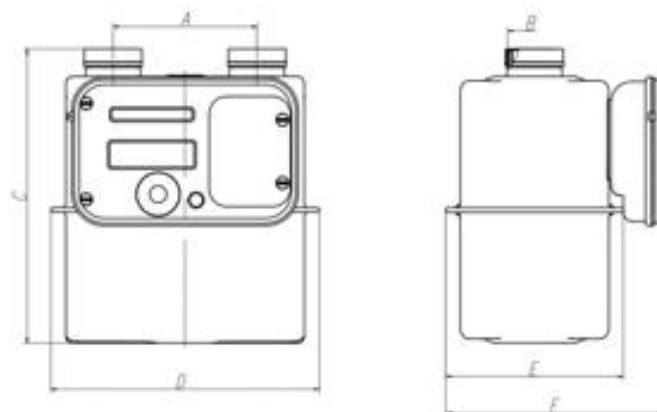
- 8000h durability performance approved by NMI
- Data transmitted to cloud platform for analyzing
- Remote control
- Low battery/tamper/leakage/overflow alarms, etc.
- Support communication: 4G Cat.1, or can be customized
- Lithium battery life: more than 10 years



Specification

Trademark					
Model		IG1.6S-GI	IG2.5S-GI	IG4S-GI	IWG2.5S-GI
Nominal flowrate Q_n (m ³ /h)		1.6	2.5	4	2.5
Maximum flowrate Q_{max} (m ³ /h)		2.5	4	6	6
Minimum flowrate Q_{min} (m ³ /h)		0.016	0.025	0.04	0.016
Maximum operating pressure (bar)		0.5			
Accuracy class		1.5			
MPE (%)	$0.1Q_{max} \leq Q \leq Q_{max}$	± 1.5			
	$Q_{min} \leq Q < 0.1 Q_{max}$	± 3			
Max pressure loss (mbar)		≤ 2			
Display range Max. (m ³)		99999.999(Mechanical/Digital)			
Cyclic volume (dm ³)		1.2			
Working temperatur (°C)		-25~+55			
Protection level		IP67			
Protocol suite		standard , can be customized(DLMS/COSEM、STS ...)			
Communication technologies	Remote	LTE Cat.1(EG915U-EU)			
	Local	IR port			
Optional functions		Temperature compensator/Pressure compensator/Earth quake detection/Gas detector/back-flow blocker			
Power supply		SOCl ₂ Lithium battery(replaceable)			
Battery life		Standard 10 years <i>Note: The actual service life is affected by factors such as: installation location /signal coverage/Ambient temperature....</i>			

Dimension



IG1.6S / IG2.5S/ IWG2.5S-GI			
A	90±0.5mm 110±0.5mm 130±0.5mm	152.4±0.5mm	160±0.5mm
B	M26x1.5-6g/M30x2-6g/ G ³ / ₄ B /G1B/NPT ³ / ₄ " /G1 ¹ / ₄ B /or can be customized		
C	226mm		
D	205mm	225mm	233mm
E	134mm		
F	168mm		

Error Curve

