

# Ultrasonic Gas Meter



High-precision



Dual data backup



Temperature and pressure compensation



Reverse flow detection



Sound speed anti disassembly



Abnormal traffic analysis



## Product Overview

Ultrasonic gas meter

UG1.6S-G | UG2.5S-G | UG4S-G | UWG2.5S-G

ZENNER ultrasonic gas meter adopts high-precision ultrasonic module with built-in temperature and pressure sensors, which can accurately measure the measured gas volume under working conditions and convert it into the gas volume under standard conditions to realize fair measurement and settlement between gas and users.

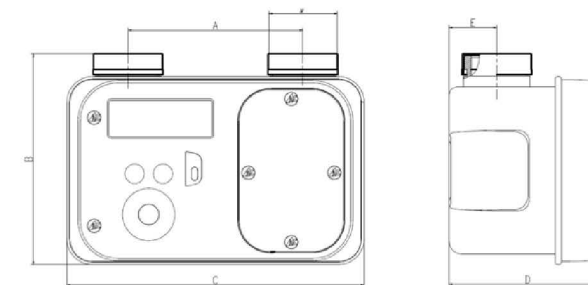
## Features

- Small volume, light weight and small pressure loss
- Smooth operation, zero noise and long service life
- Temperature and pressure compensation measurement
- Detecting abnormal flow of tiny leakage
- Detecting reverse flow
- Anti-tamper
- Self-service payment and recharge can be made through terminal APP
- NB-IoT/GPRS/4G Cat.1 available

## Specifications

Model	UG1.6S-G	UG2.5S-G	UG4S-G	UWG2.5S-G
Nominal flowrate $Q_n$ (m <sup>3</sup> /h)	1.6	2.5	4	2.5
Maximum flowrate $Q_{max}$ (m <sup>3</sup> /h)	2.5	4	6	6
Minimum flowrate $Q_{min}$ (m <sup>3</sup> /h)	0.016	0.025	0.04	0.016
Maximum operating pressure (bar)	0.5			
Accuracy class	1.5			
Maximum permissible errors (%)	$0.1Q_{max} \leq Q \leq Q_{max}$		± 1.5	
	$Q_{min} \leq Q < 0.1Q_{max}$		± 3	
Max pressure loss (mbar)	≤ 2			
Display range Max.	99999.999			
Temperature accuracy(°C)	±0.5 (-25~+55)			
Pressure accuracy(kPa)	±0.2 (80~120)			
Material	Galvanized steel			
Working temperature (°C)	-25~+55			
Protection level	IP67			
Communication mode	NB-IoT/GPRS/4G Cat.1 +IR			
Power supply	Lithium battery(replaceable), 8 to 10 years(report one time daily)			
Data storage	10 Years			

## Dimension



Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	M
UG1.6S-G UG2.5S-G UG4S-G UWG2.5S-G	110 ± 0.50	132.6	187	98.9	30	M30/G1¼"
	130 ± 0.50					