Industrial&Commercial Ultrasonic Gas Meter

High-precision

Dual data backup

Temperature and pressure compensation

Reverse flow detection

Sound speed anti disassembly

Abnormal traffic analysis

Product Overview

Industrial and commercial ultrasonic gas meter
UG6S-G | UG10S-G | UG16S-G | UG25S-G | UG40S-G

ZENNER Industrial&Commercial 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 company and users.

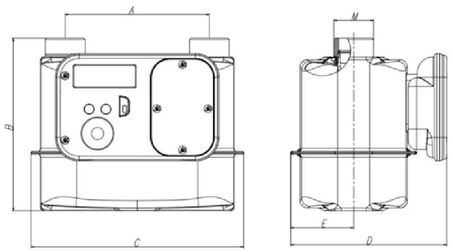
Features

- Wide range, high accuracy, high sensitivity, and straight error curve;
- Not affected by magnetic attacks, precise and stable, with an accuracy of 0.0001m³;
- Compact design, small size for easy installation;
- Equipped with temperature and pressure compensation metering function;
- Leakage alarm function;
- Multiple communication methods to achieve remote communication and valve control;
- Protection level: IP67.
- NB-IoT/GPRS/4G Cat.1 available

Specifications

Model		UG6S-G	UG10S-G	UG16S-G	UG25S-G	UG40S-G
Nominal flowrate Qn (m^3/h)		6	10	16	25	40
Maximum flowrate Qmax (m^3/h)		10	16	25	40	65
Minimum flowrate Qmin (m^3/h)		0.06	0.1	0.16	0.25	0.4
Maximum operating pressure (bar)		0.2				
Accuracy class		1.5				
Maximum permissible errors (%)	$0.1Q_{max} \leqslant Q \leqslant Q_{max}$	± 1.5				
	$Q_{min} \leqslant Q < 0.1Q_{max}$	± 3				
Max pressure loss (mbar)		⩽ 2				
Display range Max.		99999.999				
Temperature accuracy(℃)		±0.5 (-25~+55)				
Pressure accuracy(kPa)		±0.2 (80~120)				
Material		Galvanized steel				
Working temperature (℃)		-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
UG6S-G	152.4/160	182	224.6	165.4	66.6	G1¼"
UG10S-G UG16S-G	220	246	300	183.6	77	G2"
UG25S-G UG40S-G	220	246	300	183.6	77	G2 ½"

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