

Ultrasonic Gas Metering Solution

Ultrasonic Gas Meter

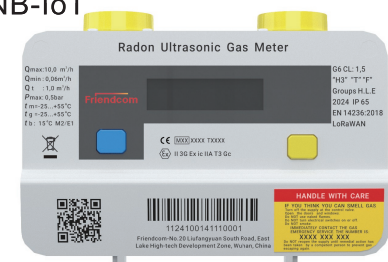
Overview

Friendcom gives full play to its own advantages, based on its own product ultrasonic gas meter metering module, independently developed a fully electronic ultrasonic smart gas meter, compared with the traditional membrane meter, in terms of volume, accuracy, range ratio, safety, service life, maintenance, intelligent expansion and other advantages.

At the same time, the external main control unit PCBA, communication solutions, metal shell, plastic shell and other accessories can be provided as accessories according to user needs.

Product Highlights

- Ultrasonic flow measurement without mechanical components
- High stability and accuracy in long term measurement
- Long battery lifetime lasting up to 20 years
- Accelerometer for earthquake detection and automatic valve closing
- Separate energy circuit for metrology and communication
- Multiple communication protocol slots : LoRaWAN and/or NB-IoT
- IP65
- Temperature and pressure sensors
- Shut off valve
- NFC



Technical Parameters

Parameters	Value			
Model	G1.6M	G2.5M (plus)	G4M (plus)	G6M (plus)
Qmax	2.5m³/h	4m³/h	6m³/h	10m³/h
Qmin	0.016m³/h	0.025m³/h (0.016m³/h)	0.04m³/h (0.016m³/h)	0.06m³/h (0.016m³/h)
Qt	0.25m³/h	0.4m³/h (0.25m³/h)	0.6m³/h (0.25m³/h)	1.0m³/h (0.25m³/h)
Qr	3m³/h	4.8m³/h	7.2m³/h	12m³/h
Qs	≤3dm³/h	≤4dm³/h (3dm³/h)	≤5dm³/h (3dm³/h)	≤8dm³/h (3dm³/h)
Measurement Level	Better than Class 1.5			
MPE	qmin≤q<qt ≤±3%, qt≤q≤qmax ≤±1.5%			
Operating Temperature	-2.5°C~55°C			
Operating Pressure				
Temperature And Pressure Compensation	Support			
Combined Working Current	≤40uA (24hours static + 4 hours constant flow + 1 hour Pulsatin flow)			
Working Power Supply	SAFT/TADIRAN			
Explosion-Proof Grade	ATEX Zone 2-ii 3G Ex ic IIA T3 Gc			
Comply With Standard	EN 14236-2018 / En13757 / UNI 11291 / DLMS protocol			