

Ultrasonic Gas Metering Solution

NB-IoT Diaphragm Gas Meter



Product Advantages

- Smart Meter Reading
Automated remote collection, no onsite visits needed
- Flexible Connectivity
Supports NB-IoT, Cat.1, LoRaWAN, WM-Bus-easy to configure
- Active Safety
Real-time monitoring, auto valve shut-off & alarm on anomalies
- Remote Intelligent Control
Remote valve control & parameter configuration with role-based access
- Ultra-Long Battery Life
Li-battery ≥10 years, auto low-battery reminder
- Massive Storage
Stores 1 year of daily data + 80 days of hourly data; smart backend settlement
- Full Protection
Auto shut-off & alarm against strong magnetic interference, bypassing, tampering
- High Success Rate
99% monthly reading success rate

Product Functions

- Flexible Operating Modes
Scheduled upload, event-based upload, manual upload
- Easy Button Interaction
Simple keypress operations
- Smart Alerts
Bypass alarm, low battery alarm, low balance reminder, magnetic interference alarm
- Local IR Configuration
Parameter configuration via infrared interface

Technical Parameters

Parameters	G1.6	G2.5	G4
Maximum Flow Rate (q _{max})	2.5 m ³ /h	4 m ³ /h	6 m ³ /h
Minimum Flow Rate (q _{min})	0.016 m ³ /h	0.025 m ³ /h	0.04 m ³ /h
Starting Flow Rate	≤ 3 dm ³ /h	≤ 5 dm ³ /h	≤ 5 dm ³ /h
Total Pressure Loss	≤ 120 Pa	≤ 200 Pa	≤ 250 Pa
Accuracy Class	1.5		
Maximum Totalizer Reading	99999.999 (resets to 0 after exceeding range)		
Working Pressure	≤ 30 kPa		
Total Pressure Loss	≤ 250 Pa		
Sealing	No leakage under 45 kPa air pressure input		
Explosion Protection Standard	EX ib IIB T3 Gb		
Base Meter Operating Temperature	-10 °C ~ 40 °C		
Base Meter Housing Material	Aluminum alloy housing		
Power Supply	Lithium battery, Model ER26500		
Operating Voltage	DC 3.6 V (Lithium battery)		
Sampling Method	Pulse (Hall) sampling		
Valve Reliability	Continuous open/close cycles > 10,000 times		