

NB-IoT Smart Gas Meter for Remote Monitoring

Smart gas meter designed for NB-IoT (Narrowband Internet of Things) networks, enabling remote monitoring and control via smartphone applications. It provides accurate gas consumption data and facilitates remote valve control and real-time data transmission.

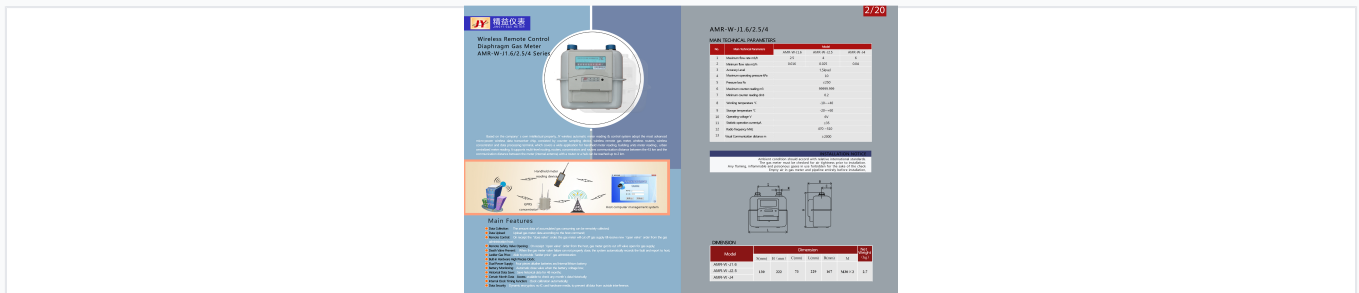


Product Overview

Smart NB-IoT Gas Metering Solution

This advanced diaphragm gas meter is designed for seamless integration into NB-IoT networks, enabling efficient remote gas consumption monitoring and management. It supports critical features such as remote valve control, tamper detection, and historical data logging for up to 48 months. Built for reliability, the system ensures accurate data transmission and safety through automated valve management and battery monitoring.

Technical Parameters



Technical overview of the wireless automatic meter reading and control system components.

Flow Rate Metrics

2.5 m³/h

Max Flow (J1.6)

4 m³/h

Max Flow (J2.5)

6 m³/h

Max Flow (J4)

Performance Specifications

Parameter	Value
Accuracy Level	1.5
Max Operating Pressure	10 kPa
Pressure Loss	d25Pa
Radio Frequency	470-510 MHz
Visual Comm. Distance	e 2000m

Environmental Conditions

- Working temperature: -10°C to +40°C
- Storage temperature: -20°C to +60°C

System Features

Power and Clock

- Operating voltage: 6V
- Dual power supply (Alkaline & Internal Lithium)
- Statistic operation current: $35\mu\text{A}$
- Built-in hardware high-precision clock with automatic calibration

Core Functionalities

Remote Data Collection, Remote Valve Control, Tamper Detection, Ladder Gas Price Support, Historical Data Storage, Battery Monitoring

Dimensions and Weight

Dimensions (AMR-W-J2.5)

Dimension	Value
S	130 mm
H	222 mm
C	73 mm
L	229 mm
B	167 mm
Weight	2.7 kg