












SKYWELL IoT Smart Water Meter



	High accuracy		Remote Valve Control
	Low power consumption		Wireless Transmission
	Leak & Water Proof		Automatic Meter Reading
	Anti-Interference		No Wiring
	Remote Meter Reading		

OVERVIEW

The SKYWELL NB-IoT Smart Water Meter leverages narrowband IoT (NB-IoT) communication technology to transmit operational data to a centralized collection platform. This enables real-time monitoring of water usage and allows for accurate tracking of total consumption.

The NB-IoT system comprises the management platform, base stations, SKYWELL Cloud, and IoT-enabled water meters. It offers high automation, allowing continuous monitoring of both meter performance and water usage, making it suitable for a wide range of applications.

Additionally, the SKYWELL NB-IoT Smart Water Meter can be equipped with optional built-in valve control, enabling remote shutdown of water supply based on the client's payment status, all managed through the SKYWELL Cloud





HIGHLIGHTS

Low-power design with a battery life of up to 10 years

IP68 waterproof construction with Class B accuracy

Optional valve control and support for multiple data collector sensors

Strong signal strength and wide coverage

Integrated NB module, with customizable data transmission and upload frequencies

Remote prepaid collector management system with multiple charging modes

Abnormal alarm functions, including alerts for tampering, low voltage, and backflow

Remote firmware upgrades for easy maintenance

No additional acquisition equipment or wiring required



TECHNICAL PARAMETERS

Items	Parameter Value
Caliber Size	15 / 20 / 25
Common Flow Rate	2.5 / 4.0 / 6.3
Q3:Q1	100 / 100 / 100
Pressure Loss Rate	$\Delta P63$
Accuracy	Class B
Waterproof	IP68
MAP	1.6 MPA
Operating Temperature Class	T30
Electromagnetic Environment Class	E1
Working Voltage	DC3.6V
Dormant Current	$\leq 8\mu A$
Sensor	Hall, Reed Pipe, Photoelectric, Magnetic
Relative Humidity	$\leq 95\%RH$
Ambient Temperature	5°C~55°C



FEATURES

<p>Materials: Available in brass, stainless steel, or iron</p>	<p>Applications: Suitable for gardens, commercial spaces, residential buildings, municipalities, and more</p>
<p>Compliance: Technical specifications adhere to international standard ISO 4064</p>	<p>Automatic Networking: Supports automatic meter reading at regular intervals with diverse methods. Includes daily data uploads, such as hourly consumption, battery voltage, meter status, and event records</p>
<p>Low Power Consumption: Designed for low energy use, offering strong signal strength, wide coverage, and stable battery operation for up to 8 years</p>	<p>Integrated NB Module: Adjustable data transmission and upload frequencies</p>
<p>Durability: Features top-level IP68 waterproofing, high accuracy (Class B), and an intuitive display</p>	<p>Remote Management: Utilizes a remote prepaid collector system for multiple charging modes</p>
<p>Abnormal Alerts: Provides alarm functions for tampering, low voltage, and backflow</p>	<p>Remote Firmware Updates: Allows for convenient remote upgrades</p>
<p>Anti-Reverse Rotation: Clarinet design to prevent reverse rotation</p>	<p>No Extra Equipment: No additional acquisition devices or wiring required</p>

Impact-Resistant Cover: ABS flame-retardant cover, offering high impact resistance, strength, and anti-aging properties



ORDER CODE

	A	B	-	C	-	D	E
SW - SWM	I	15	-	V	-	N	P

A

Technology

- Impeller _____ I
- Ultrasonic _____ U
- Photoelectric _____ P

B

Size

- DN15 _____ 15mm
- DN20 _____ 20mm
- DN25 _____ 25mm
- DN40 _____ 40mm
- DN50 _____ 50mm

C

Control

- Valve _____ V
- No Valve _____ N

D

Communication

- Lora _____ L
- NB IOT _____ N
- IC Card _____ I

E

Prepaid Feature

- Prepaid _____ P
- Non-Prepaid _____ NP





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