

NB-IoT Water Meter

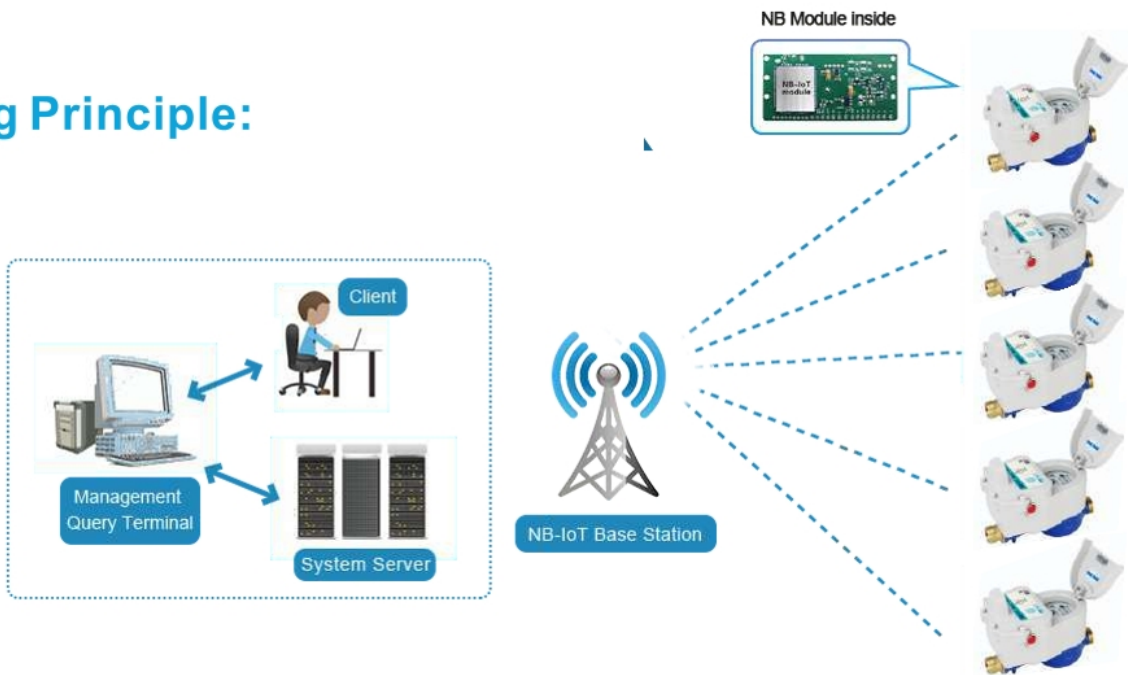
The **NB-IoT water meter** is one kind of smart water meter which is based on NB-IoT technology. It can realize wireless remote meter reading and remote valve control.

Deliver condition :

1. Size: DN15-DN200
2. Body: Brass(with valve)/iron(without valve)
3. Type: Dry dial/wet dial(standard)
4. Max work pressure: PN16.
5. Protection class: IP68
6. Protocol: Narrow band(LTE Cat.NB)
7. Frequency: B3(1800),B5(850),B8(900)
8. Battery: more than 6 years
9. Pressure loss: ≤ 0.063 Mpa
10. Water temperature: T30/T90
11. Standards: ISO4064.
12. Certificate: MID
13. SIM card: Micro SIM card(Type 3FF)
14. Working mode: Class B Class C
15. Software: B/S Cloudy serve platform
16. Software payment: Supply for free
17. Composition: **NB-IoT water meter**, Base station, Serve Platform



Working Principle:

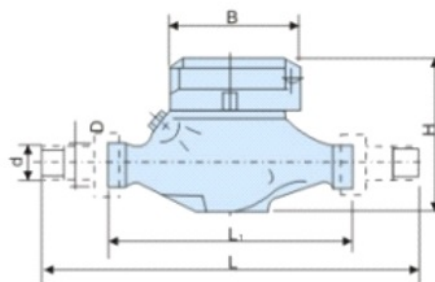


Function of NB-IoT water meter :

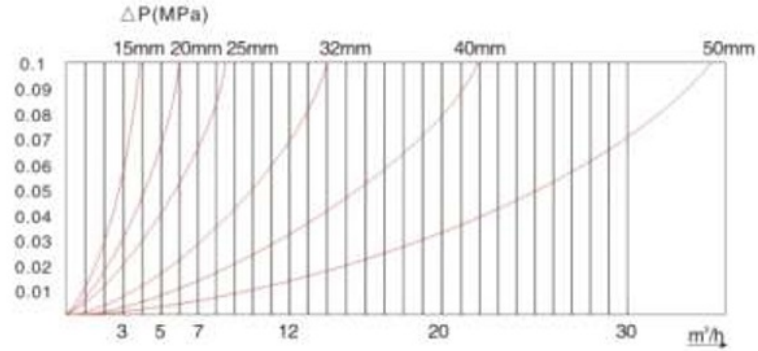
- ◆ The LCD display screen displays the current signal value, balance, water consumption, remaining water quantity and other information
- ◆ Remote reading and remote valve control
- ◆ Early warning system: battery undervoltage and abnormal metering alarm
- ◆ Step water price can be set according to user category and usage.
- ◆ Battery: more than 6 years of use
- ◆ Support internal / external antenna, stable and reliable signal.
- ◆ High sampling accuracy
- ◆ Reed fault detection: When a sampling reed fails, the water meter will display the reed failure, and the water meter can still measure accurately.
- ◆ Data upload frequency can be set, periodic uploads can be uploaded at intervals of minutes, hours and days.
- ◆ The battery can be replaced directly without opening the water meter
- ◆ The system adopts BS architecture: the browser can log in, and both PC and mobile phone can support it.
- ◆ NB Internet of things remote water meter supports two modes: fixed time point upload and periodic upload to meet the use needs of different users.
- ◆ Fixed time point upload supports four methods: month, week, day and hour (which days of the month, which days of the week, which hours of the day, and which minutes of the hour)

Dimension :

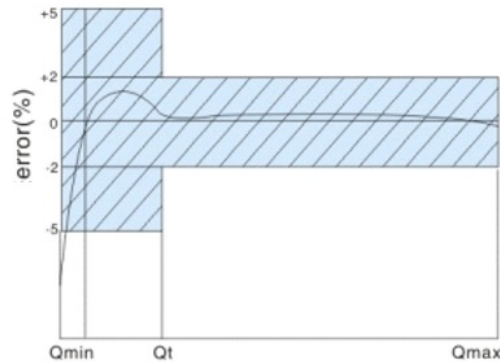
Model	Length(L)	Width(W)	Height(H)	Connect	
LXSY-15E	Horizontal	165mm	99mm	140mm	GB
LXSY-20E	Horizontal	195mm	99mm	140mm	Screw G1B
LXSY-25E	Horizontal	225mm	99mm	140mm	Screw G1B



Data error curve :



Flow error curve :



A. Slow flow ($Q_1 \leq Q < Q_2$) , Max permissible errors: $\pm 5\%$

B. Water temperature $\leq 30^\circ\text{C}$, Fast flow ($Q_2 \leq Q \leq Q_4$) , Max permissible errors: $\pm 2\%$

Water temperature $> 30^\circ\text{C}$, Fast flow ($Q_2 \leq Q \leq Q_4$) , Max permissible errors: $\pm 3\%$

Metronological Parameters

Size	Flow range		Q4	Q3	Q2	Q1	Min. reading	Max. reading
	Q3/Q1	Q2/Q1	m ³ /h				m ³	
DN15	80	1.6	3.125	2.5	0.05	0.03125	0.0001	999999
DN20	80	1.6	5.0	4.0	0.08	0.05	0.0001	999999
DN25	80	1.6	7.875	6.3	0.126	0.07875	0.0001	999999
DN32	80	1.6	12.5	10	0.2	0.125	0.0001	999999
DN50	80	1.6	31.25	25	0.5	0.3125	0.0001	999999

Packing:

Size	Reference Weight	Packing	Reference Box volume	Reference Gross Weight
DN15 (15mm)	1.34KG	Carton	59*40*16.5CM	14.5KG
DN20 (20mm)	1.62KG	Carton	61*45*17.5CM	17.5KG
DN25 (25mm)	1.58KG	Carton	61*45*17.5CM	20.5KG
DN32 (32mm)	1.7KG	Carton	60*45*16CM	22KG
DN40 (40mm)	9.5KG	Wooden	45*17*24CM	9.5KG
DN50 (50mm)	13.4KG	Wooden	50*18.5*27CM	13.4KG



MID



CE



ISO9001



ISO14001



ISO45001

