NB-IoT Water Meter

**The NB-IoT water meter** is one kind of smart water meter which is based on NB-IoT technology. Kaifeng Shengda Water Meter Co., Ltd provide you the complete solution for the NB-IoT water meter. 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:≤0.063Mpa
10. Water temperature:T30/T90
11. Standards:ISO4064.
12. Certificate:MID
13. SIM card:Micro SIM card(Type 3FF)
14. Working mode: Class A
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:

NB Module inside

Client

Management Query Terminal

System Server

NB-IoT Base Station
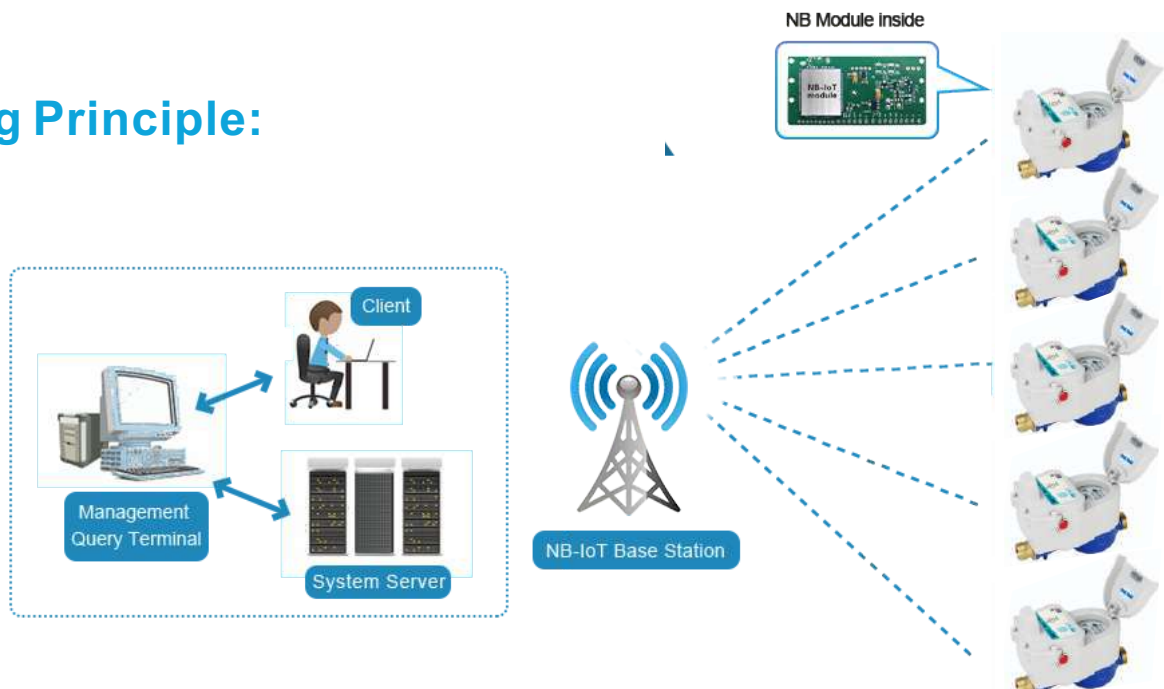
Function of NB-IoT water meter :

♦ 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)

Metronlogical Parameters :

Size	Flow range		Q_3	Q_4	Q_2	Q_1	Min. reading	Max. reading
	Q_3/Q_1	Q_2/Q_1	m3/h				m3	m3
DN15	80	1.6	2.5	3.125	0.05	0.03125	0.0001	99999
DN20	80	1.6	4.0	5.0	0.08	0.05	0.0001	99999
DN25	80	1.6	6.3	7.875	0.126	0.07875	0.0001	99999
DN32	80	1.6	10	12.5	0.2	0.125	0.0001	99999
DN50	80	1.6	25	31.25	0.5	0.3125	0.0001	99999

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
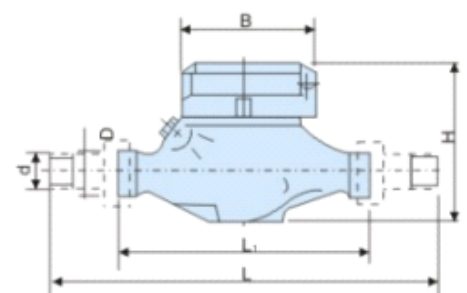
Data error curve :
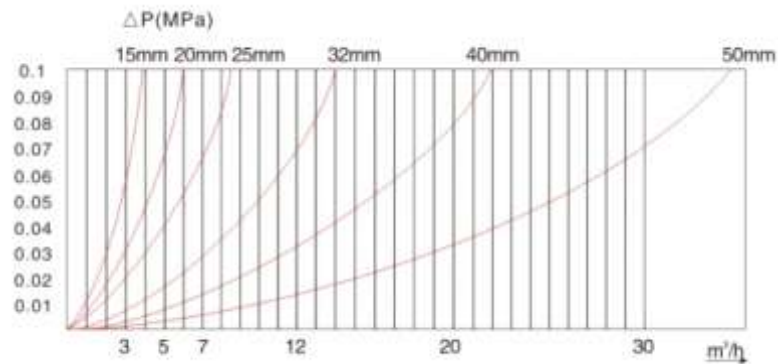
Flow error curve :
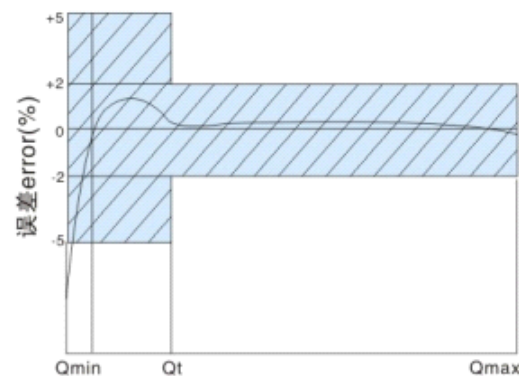
A. Slow flow（Q1≤Q＜Q2）, Max permissible errors: ±5%

B. Water temperatire ≤30℃, Fast flow（Q2≤Q≤Q4）, Max permissible errors: ±2%

　Water temperatire＞30℃, Fast flow（Q2≤Q≤Q4）, Max permissible errors: ±3%

Shengda Water Meter since 1995

Established in 1995, Shengda Water Meter Co., Ltd is one of leading manufacturer of water meters and flow meters in China. The company also provides total solutions for smart flow metering, control, telemetry and smart water meter reading system.

SHENGDA
Fluid technology
Kaifeng Shengda Water Meter Co., Ltd

✉ admin@henanpanda.com
📞 mobile +86 18603780816
🌐 www.sdflowmeter.com