

Prepaid Water Meter
User's Manual
&
Installation Guide
(S9)
DN15-40



I .Overview

This is a prepaid smart water meter that can control limited water supply. It can pay the fee first and then use the water. Please read this manual carefully before use, so as to use it to best advantage and avoid unnecessary loss.

▲When the surplus is 0.00m^3 , the water meter will automatically close the valve to stop water supply; You can set an alarm value, when the remaining amount reaches the alarm value, the valve will close, you can continue to use the card until 0.00m^3 .

▲After the water meter and the user card are bound, there will be an encryption protection mechanism, and the user card will only be recognized by the bound water meter.

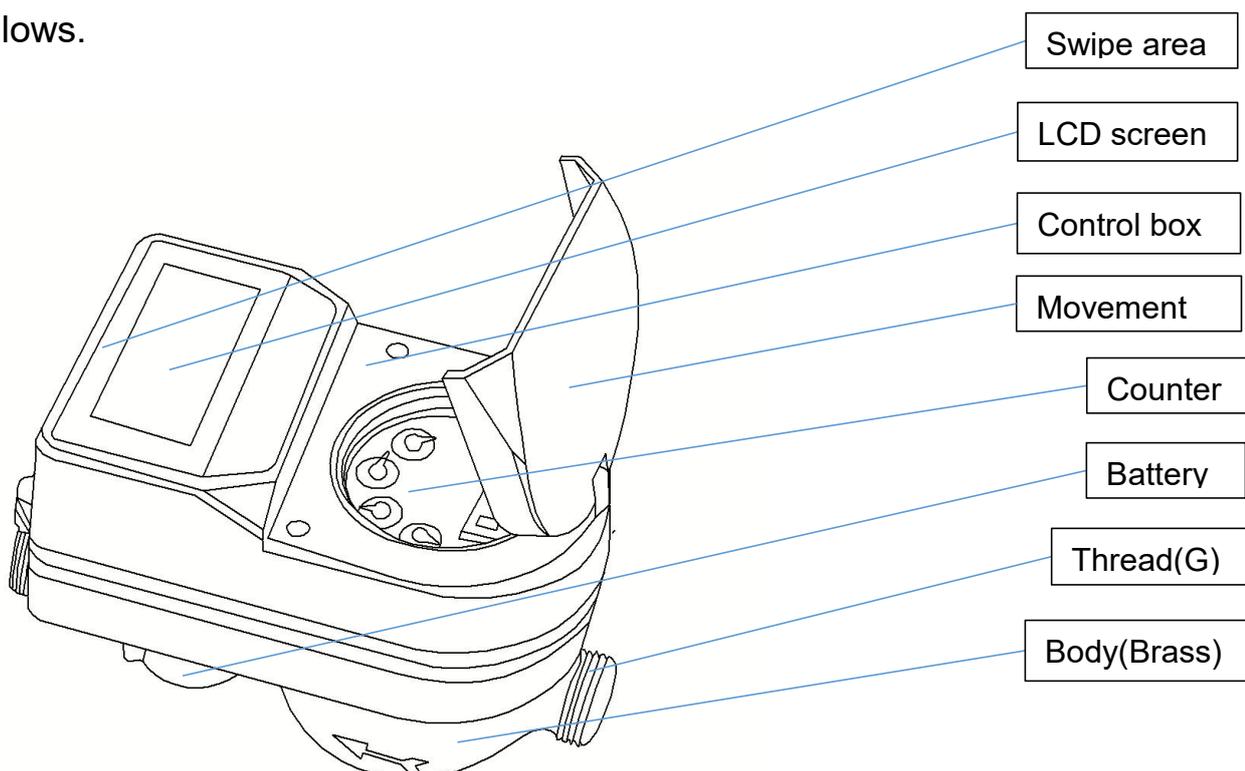
▲The water meter will automatically change the unit price of water according to the user's monthly water consumption, and the range can be set.

▲The built-in valve of the water meter will be automatically Switch twice a month, the effect of this is to clear the valve dirt.

▲ Moreover, when the water meter is attacked by an external magnetic field, the valve will be automatically closed to protect water resources.

II .Composition

It is composed of Valve ball,user card , calculator, pipe fittings, etc., detailed as follows.



III. Display Functions

Using the user card in the touch area to read the card repeatedly will switch between different display interfaces.

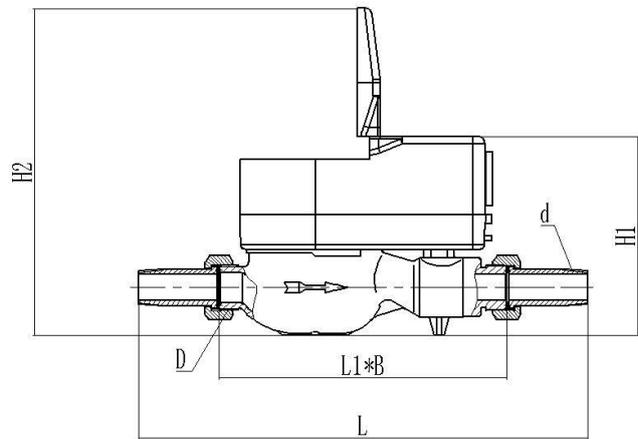
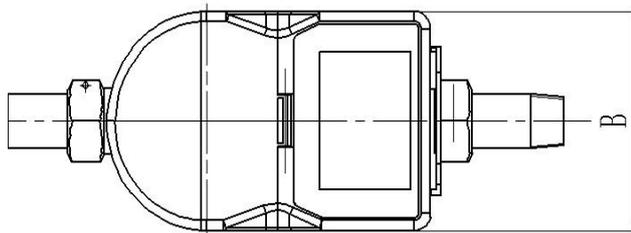
Display content	LCD	Explain
Credit card status	good	Read the card successfully
	Err - XX ERR.	Card swiping failure(XX: status code)
Old card	OLd	User's old card
Reading the card	--rd--	The water meter is reading the card
Cumulative error	XXXXXX	Cumulative error
Surplus water	BAL. XXX.Xm ³	The amount of water remaining in the meter
Total water use	XXX.X CONSUM.U.P.	Total water use
Vendor code	C - XXX	XXX: Vendor code
Area code	XX	0~9999
ID1	CID-XX	S/N First screen
ID2	XXXXXX	S/N Second screen
Firmware version	PHXXXX	Firmware version
Hardware coding	HD - -XX	Hardware coding
Battery voltage	3.61V	Battery voltage
Program version	PX.XX	Program version
Amount of hoarding	CUM. 99999.9m ³ RST.	Max. 99999.9m ³
Alarm volume	BAL. 2.0m ³ RST.	Default 2.0m ³ (can be set)
Current purchase	XXX.X	When the time to buy water
Valve duration	XX	XX: Duration (unit: second)

Pulse equivalent	0.01m ³	0.01m ³ (can be set)
Action display	OpXX/CLXX	Valve on/Valve off
Operating current	CLXX	Valve operating current
Total consumption	CUM. XX.Xm ³ CONSUM.	Total water consumption

IV. Technical Parameters

DN mm	Measuring range	Max flow Q4	Nominal flow Q3	Transitional flow Q2	Min flow Q1
		m ³ /h			
15	R100	3.125	2.5	0.04	0.025
20	R100	5	4	0.064	0.04
25	R100	7.875	6.3	0.1	0.063
32	R80	12.5	10	0.2	0.125
40	R80	20	16	0.32	0.2

V. Outline Dimension



DN	L	L1	B	H1	H2	Connection	
mm						d (Pipe)	D(Meter)
15	258	165	90	120	190	R ₁ ⁻	G ₄ ³ B
20	299	195	90	120	190	R ₃ ⁻	G1B
25	345	225	90	120	190	R1	G1 ₄ ¹ B
32	469	345	95	140	235	R1 ₄ ¹	G1 ₂ ¹ B
40	493	365	115	170	275	R1 ₁ ⁻	G2B

VI. Notices for Installation

- ★ Flush pipes before installation to avoid gravels and other foreign objects;
- ★ Install a valve and filter before the water meter;
- ★ Do not touch the electrical part or pull wires to avoid damage during installation;
- ★ Reserve an adequate space for maintenance during installation;
- ★ When the water meter is installed in a horizontal or inclined way, the ultrasonic flow probe on pipes shall be placed horizontally, and when installed in a vertical way, make sure the water flows from down to up.

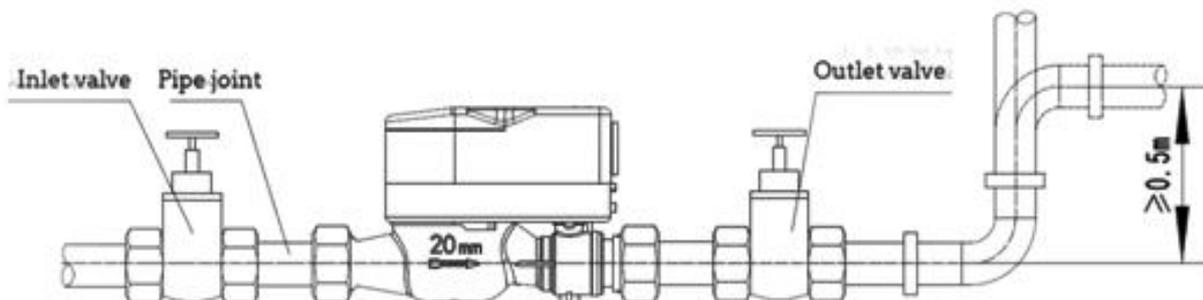
★ Please note that the arrow direction on the pipe shall be consistent with the water flow direction during installation;

★ The joint washer shall be installed correctly to avoid misaligned washer blocking water and affecting accuracy of the water meter;

★ The water meter shall not be installed at the place that may be affected by strong mechanical vibrations;

Special Notices: 1. Be sure to install an on-off valve and filter before the water meter and another on-off valve is recommended after it for maintenance. In order to prevent backflow, a check valve should be installed in front of or behind the water meter.

Installation Figure:



★ Before using this water meter, the pipe must be filled with water, otherwise it will lead to inaccurate or even non-measurement.

★ When installing the water meter, should be reserved length of DN*10 in front of the water meter and DN*5 behind the water meter.

★ The water meter shall refresh the display at every 4s, and read the water meter

(including the starting value and end

value) 4s at least after the valve is closed when test the water meter, otherwise the testing results may be affected;

★Please make sure the medium flow is within the flow range of the water meter during test and use, otherwise it may result

in damage to the water meter;

★In case of any malfunction (e.g. metering failed, etc.) during use, please contact the related management department

immediately and do not repair it by yourself;

★The product is designed with a disposable anti-disassembly seal which shall be removed only by appointed personnel, or

otherwise it shall be excluded from the free after-sales service.