

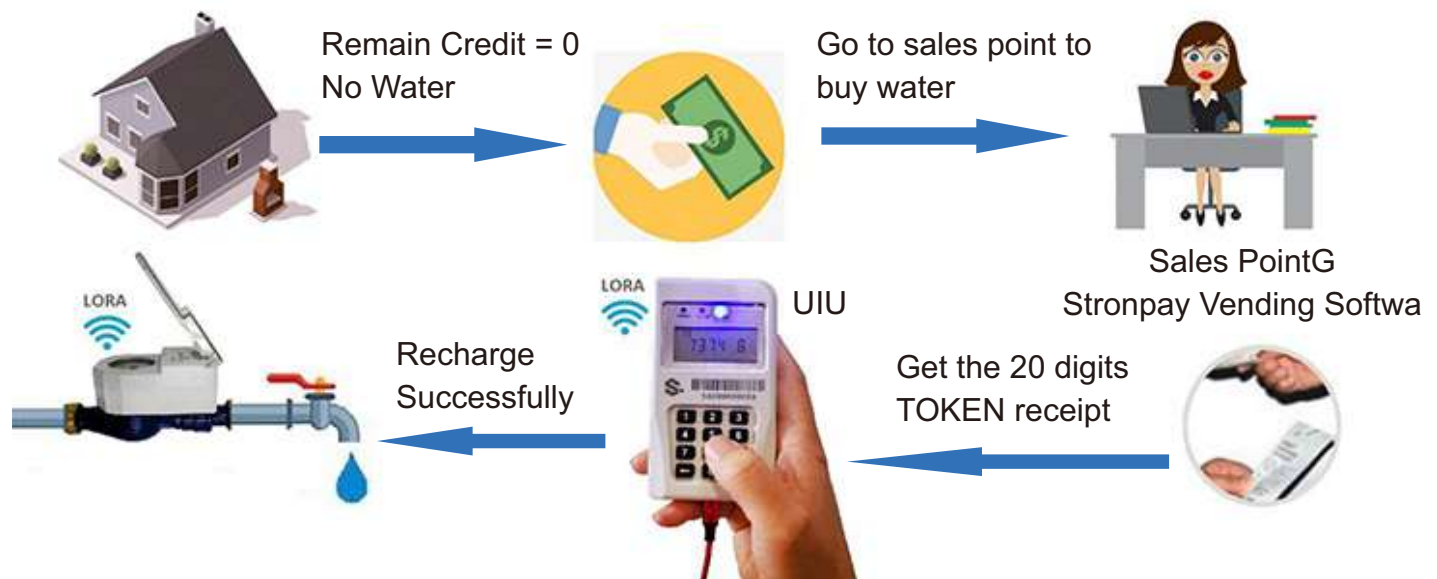
# STS prepaid water meter

The keypad Prepaid Water Meters is an STS (Standard Transfer Specification) compliant, electronic valve controlled water meter. RF STS Prepayment Water Meter System consists of smart water meter and separate keypad, which is defined as UIU (User Interface Unit).



**STS (standard transfer specification) prepaid water meter system**, the customer can pay through the third-party payment system to obtain the 20 digits recharge TOKEN, and the user can input the 20 digits recharge TOKEN through UIU (User Interface Unit) to recharge and query the water meter

## Working principle diagram :



## Operation of vending softwa

1. Login vending system
2. Meter number registration
3. Customer information registration
4. Price Setting
5. Open Account
6. Vending/Topping up meters
7. Get the Token
8. Input Token to meter with keypad
9. Recharging successfully



## Supplied condition :

- ◆Size: DN15-DN200
- ◆Body Material: Brass/cast iron(bulk size)
- ◆R=80,R100,R160.
- ◆Max.work pressure: 1.0MPa
- ◆Protection class: IP68
- ◆Working voltage: 3.6V±0.6V;
- ◆Quiescent current: ≤10μA
- ◆Pressure loss: ≤ 0.063mpa
- ◆Software payment: Free
- ◆Composition: STS water meter,keypad,software.

## Function :

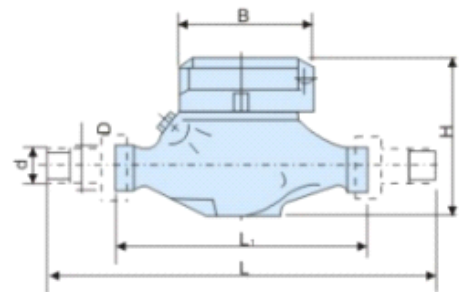
1. UP to 8 years battery life
2. Insufficient water warning
3. Self-defined overdraft
4. Anti-storage (purchase limitation)
5. Anti-magnetic Interference & record
6. Low-Battery/Anti-tamper detection
7. IP68 waterproof grade
8. Step price can be set
9. History data
10. Pay by mobile payment/PC

## Technical data :

Nominal size	DN	mm	in-line		
			15	20	25
Maximum flow	Q4	m <sup>3</sup> /h	3	5	7
Ratio "R"	Q3/Q1		100	100	100
Permanent I flow	Q3	m <sup>3</sup> /h	1.5	2.5	3.5
Transitional flow	Q2		0.12	0.20	0.28
Minimum flow	Q1		0.03	0.05	0.07
Minimum reading			0.0005		
Maximum reading		m <sup>3</sup>	99999		

## Dimensions and diagram :

Nominal size	Length(L)	Width(W)	Height(H)	Connecting(D)
15	165mm	101mm	124mm	G3/4B
20	195mm	101mm	124mm	G1B
25	225mm	101mm	124mm	G5/4B



## 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.

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