

# Model SP Series



## STS Prepaid Water Meter

- SP series is an STS (Standard Transfer Specification) compliant, electronic valve controlled, water meter. With SP series you are assured of continuously good metrology and revenue protection at the same time.
- A handy remote keypad, as Customer Interface Unit (CIU), is offered to enter recharge tokens and information short codes. The CIU is installed within customer's premise, when the meter is kept away from customer's reach in locked-up boxes or premises. The communication between CIU and the meter can be NB-IoT, RF-LoRa on request. The meter is available with AMR data transmission features.

## Features

- Multi-jet dry dial, R160
- Magnetic drive mechanism with anti-magnetic protection
- External regulating device
- Perfectly water tight (IP68) for all harsh and humid environment
- Prepaid and post-paid hybrid
- Pre-programmable low credit warning
- Estimated Battery life: 10 years
- Brass / plastic meter body on request
- Reading through Lo Ra, NB-IoT and the system of GPRS /3G
- Non-return valve preventing back-flow

## Optional Features

- Non return Valve and Inlet Strainer
- Wet dial and Rotary piston mechanism for option

## Working Conditions

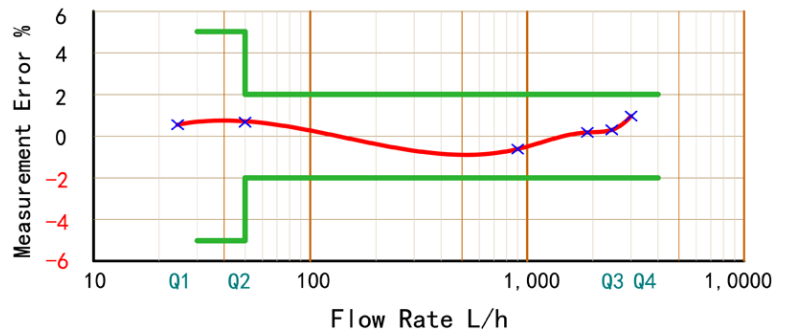
- Water temperature:  $\leq 50^{\circ}\text{C}$  for cold water meter
- Water pressure:  $\leq 1.6\text{MPa}$ (16bars)



DN(mm)	15	20	
Size(inch)	1/2"	3/4"	
Q4(m <sup>3</sup> /h)	3.125	5	
Q3(m <sup>3</sup> /h)	2.5	4	
R80	Q2(l/h)	50	80
	Q1(l/h)	31.25	50
R100	Q2(l/h)	40	64
	Q1(l/h)	25	40
R125	Q2(l/h)	32	51.2
	Q1(l/h)	20	32
R160	Q2(l/h)	25	40
	Q1(l/h)	15.62	25
Max. Reading (m <sup>3</sup> )	99999		
Min. Reading (Liter)	0.05		
Max. Pressure (bar)	16		
Pressure Loss ( $\Delta P$ )	63		
Max. Temperature	T30 or T50		
Digital Reading	0.0 m <sup>3</sup>		

### · Maximum Permissible Error

- In the lower zone from Q1 inclusive up to but excluding Q2 is  $\pm 5\%$ .
- In the upper zone from Q2 inclusive up to and including Q4 is  $\pm 2\%$ .



### Dimension

DN(mm)	15	20
Size(inch)	1/2"	3/4"
Length(L)	165/190	190
Width(W)	81	81
Height(H)	101.7	101.7
Connecting Thread D	G3/4B	G1B



## All-in-one prepaid solution



1. Customers pay for Token, and water meter records data after typing the token. And STS System is approved by STS Association.
2. The tokens is only for using on related water meter. And if customers have own STS Association approved Token Data. We could make Token Data into water meter.
3. Token is typed by CIU, which could be used in long distance by Radio Frequency.

Note: Please be advised a special code required to switch on/off the prepaid function through the supplier/manufacturer

