S10

RESIDENTIAL

STS PREPAID WATER METER

LXSG 15-25

APPLICATION

LXSG 15-25 STS prepaid water meter is designed to solve the problem of charging water meters for residential use.Users can recharge and query the balance of the water meter by entering 20-bit token code or 2-bit short code through the mobile App or CIU.

- Pay now, then use water later,ensure management interests;
- Special material shell and process, adapt to high temperature, high humidity, direct sunlight and other harsh environment;
- High security is guaranteed according to STS standard specifications;
- Mechanical and electronic separable design for better maintenance;
- LoRa/LoRawan (optional) Wireless communication mode for data transmission;
- The CIU and the water meter will be bound to each other to avoid additional losses and dangers;
- Regular automatic valve rotation to reduce scale adhesion;
- High capacity battery ensures battery life of more than 6 years.

TECHNICAL FEATURES

- Multi-flow, dry type;
- Q3/Q1 = R100/160(optional);
- Supports installation at Horizontal;
- IP68 suitable for outdoor installations;
- Temperature class T30, T50, T90;
- Environment class E1/M1;
- Nominal pressure PN10;
- U10/D5,straight pipe sections required before or after the meter;
- Brass and nylon bodies are available.

EXECUTIVE STANDARD

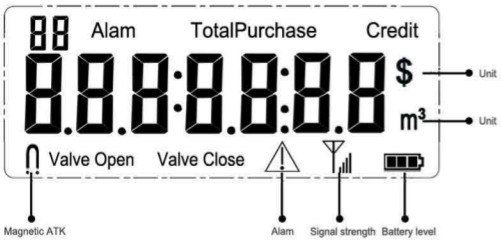
STS ASSOCIATION

WIRELESS AMR INTERFACES

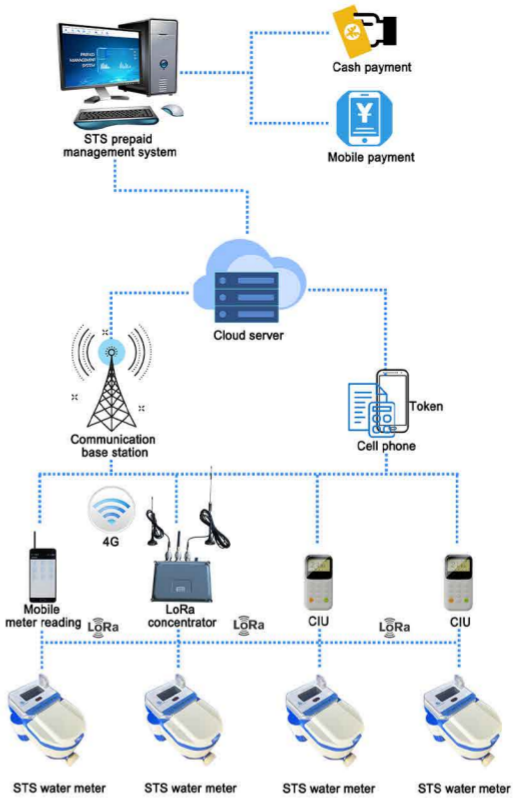
LoRa

LoRaWAN CERTIFIED

LCD INDICATIONS AND ALARMS

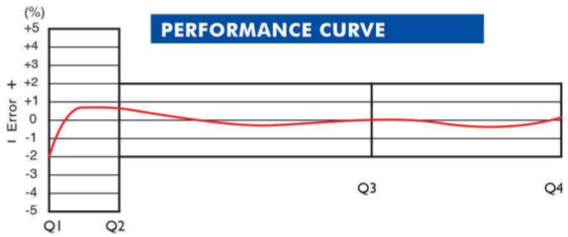


SYSTEM CONSTRUCTION

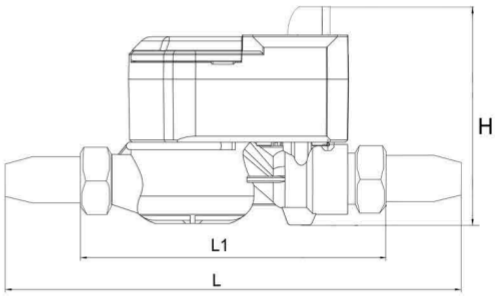


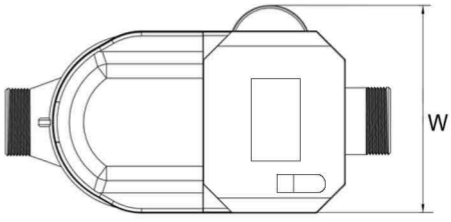
TECHNICAL FEATURES

Nominal diameter		mm	15		20		25	
Overload flow rate	Q4	m³/h	3,125		5		7.875	
Nominal flow	Q3	m³/h	2,5		4		6.3	
Transitional flow	Q2	L/h	40	25	64	40	100	63
Min flow	Q1	L/h	25	15.6	40	25	63	39.3
Measuring range	Q3/Q1		R100	R160	R100	R160	R100	R160
Max reading	Mech	L	99999.9999					
Max reading	Elec	L	999999					
Power supply		V	Built-in lithium battery DC 3.6V					



Caliber	Unit	DN15	DN20	DN25
L	mm	258	299	345
L1	mm	165	195	225
W	mm	90	90	90
H	mm	126	126	126
Meter thread		G$\frac{3}{4}$B	G1B	G1$\frac{1}{4}$B
Connecting Pipe thread(D)		R$\frac{1}{2}$	R$\frac{3}{4}$	R1





Make every drop of water more valuable