))) JOYMETER

JOYS210
STS prepaid water meter

Make It Easy

CE MID KEMA LoRa STS ASSOCIATION TÜV SUD dlms COSEM Compliant OMS CMIS ISO ISO9001 M-Bus wireless

Joy Technology Co., Ltd

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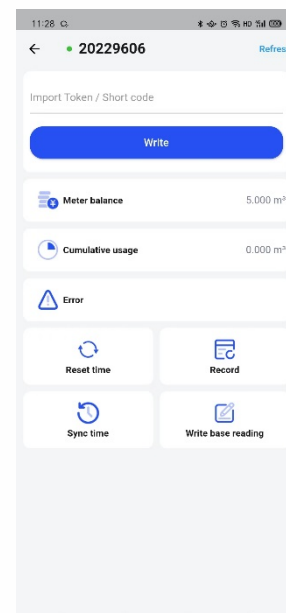No.88 West Zhengyang Rd, Jiaxing, Zhejiang, China

DESCRIPTION

JOYS210 STS prepaid water meter is the upgraded generation of payment water meters from JOY, which is designed to control the water consumption and revenues via a motorized valve for prepayment with keypad separately.

It is completely designed according to the prepayment principle of STS and enables the utility to collect water fees and arrears.

By working with Joy related data collector device, step-tariff and multi taxes and fees, which is customized as different management goals, can be setup independently in the system and nothing to do with the meter.

FEATURES

► STS compliant

► Valve self-cleaning

► Different separate keypad type for choose

► Self-checking, including valve fault, memory fault, etc.

► Adjustable emergency credit and low credit warning levels

► Volumetric base meter with high accuracy

► Battery cover status detection

► Magnetic Interference Protection

► Match with keypad or APP via Bluetooth

TECHNICAL SPECIFICATIONS

Item	Parameter		
Diameter, mm	DN15	DN20	DN25
R(Q3/Q1)	100	100	100
Permanent Flowrate, Q3, m³/h	2.5	4.0	6.3
Overload Flowrate Q4, m³/h	3.125	5	7.875
Min. Flowrate Q1, m³/h	0.025	0.040	0.063
Length, mm	165	195	225
Width, mm	85	85	85
Height, mm	117	117	125
Connection	G3/4	G1	G1'1/4
Flow Sensor Type	volumetric		
Flow Sensor Material	Brass		
Class of Temp.	T30		
Max. Working Pressure, MPa	1.0		
Pressure Loss	ΔP63		
Sensitivity to Irregularity	U10/D 5		
Accuracy	Class 2		
Environmental Classification	B		
Electromagnetic Environment	E1		
Installation Direction	Horizontal		
Installation Environment	Indoor		
Power Supply	3.6V Battery, un-replaceable		
Meter Life	6 years		
Static Consumption	<20μA		
Disconnection Device	Ball Valve		
Keypad	Customer Interface unit, PAD or phone APP for choose		
Protection	IP68		
Ambient Temp.	5~40 ℃		
Storage Temp.	-5-40 ℃		
Standard Compliance	ISO4064, EN14154, OIMLR49, IEC62055-41		