Joymeter

Make It Easy

JOYS200

STS keypad prepaid water meter

Joy Electronic Technology Co., Ltd

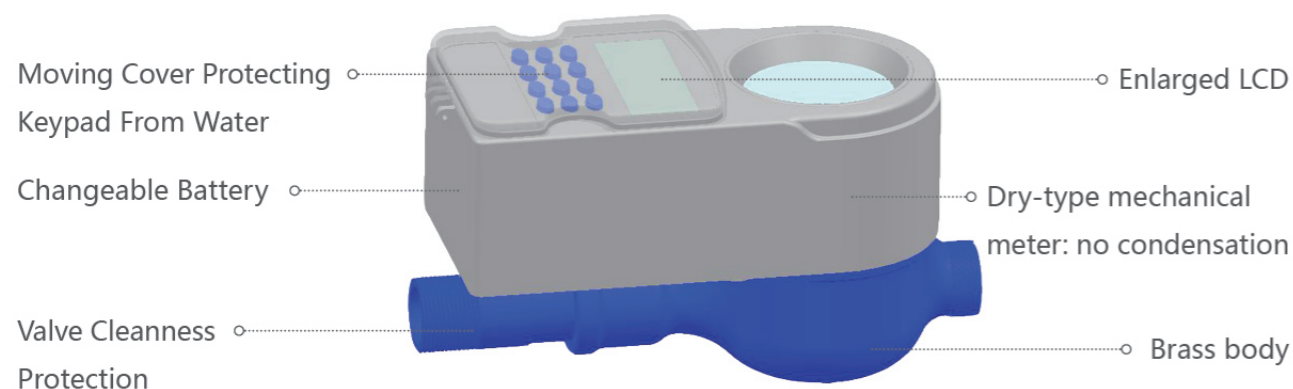# JOYS200 STS keypad prepaid water meter

↗ DESCRIPTION

JOYS200 STS keypad prepaid water meter is the first generation of payment water meters, which is designed to control the water consumption and revenues via a motorized valve for prepayment.

It is completely designed according to the prepayment principle of STS and enables the utility to collect water fees and arrears. JOYS200 is one of the earliest meters in the world which was certified by STS association from South Africa.

By working with e-Joy vending management system, 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

► Improved sealing against ingress of insects

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

► Adjustable emergency credit and low credit warning levels

► Prepaid: top up before use, improved cash flow and revenue, customer arrears avoided

► Various top-up channels: Internet, Cellphone App, SMS, ATM, cashier, etc., for better customer experience

► Encryption algorithm: AES (widely used in banking systems), high security level

► Keypad with text feedback

► Magnetic Interference Protection

► Battery cover detection

Moving Cover Protecting Keypad From Water

Changeable Battery

Valve Cleanness Protection

Enlarged LCD

Dry-type mechanical meter: no condensation

Brass body

↗ TECHNICAL SPECIFICATIONS

Item		Parameter		
Diameter, mm		DN15	DN20	DN25
R(Q3/Q1)		80	80	80
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		0.031	0.05	0.078
Length, mm		195	195	225
Width, mm		85	85	85
Height, mm		117	117	125
Connection		Threaded joint		
Class of Temp.		T30		
Class of Pressure Loss, kPa		ΔP<63		
Max.Permissible Working Pressure, MPa		1.0		
Installation Direction		Horizontal		
LCD		8-digit		
Power Supply		Battery DC 3.6V, lithium battery 6 years lifetime		
Static Consumption		<20μA		
Disconnection Device		Motor Valve		
Keypad		12 keys, international outlay standard with 0-9 numeric key		
Minimun Display		0.1m³		
Environmental Requirement	Protection Class	IP54		
	Environmental Class	E1, M1, A		
	Ambient Temp.	5~55 ℃		
	Storage Temp.	-20~60 ℃		
Standard Compliance		ISO4064, EN14154,OIMLR49, IEC62055		