

XINGHANG
Smart Metering



Advanced Flow Intelligence Modular Water Meter Technology



Application Standards

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SJWM-13C-25C

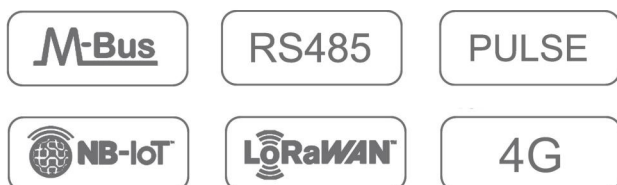
Application

The module can be attached to single jet water meters, collecting daily data for efficient, accurate metering.

- M-BUS / RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa / LoRaWAN Frequency Rate: 868MHz, 915MHz, 902MHz, 920MHz, etc



Communication



Features

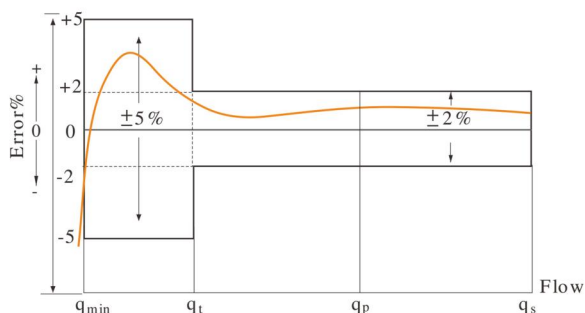
- Magnetic Interference Alarm
- Tamper Alarm
- Multiple Accuracy Options
- Backflow, Reverse Flow Alarm
- Leakage Alarm
- Exceptional Industrial Design

Dimensions

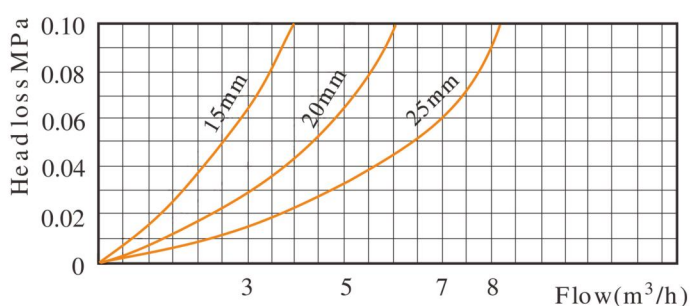
Nominal Diameter(mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
Length L(mm)	110	130	160
Height H(mm)	80	85	90
Width W(mm)	80	80	80
Weight (kg)	0.35	0.62	0.90



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15		DN20		DN25	
Q ₄ (Q _{overload}) m ³ /h	3.125	3.125	5	5	7.875	7.875
Q ₃ (Q _{max/permanent}) m ³ /h	2.5	2.5	4	4	6.3	6.3
Q ₂ (Q _{transitional}) m ³ /h	0.05	0.025	0.08	0.04	0.126	0.063
Q ₁ (Q _{min}) m ³ /h	0.03125	0.015625	0.05	0.025	0.07875	0.039375
Start Flow Rate m ³ /h	0.01	0.005	0.014	0.007	0.02	0.012
Dynamic Range	R80	R160	R80	R160	R80	R160
Min Reading(m ³)	0.0001					
Max Reading(m ³)	99,999					
Accuracy Class	Class B, Class C, Class 2 (R80, R100, R160)					
Standard	ISO4064 / OIML R49					
Measured Medium	Water					
Maximum Permissible Error For The Lower Flow Rate Zone	±5%					
Maximum Permissible Error For The Upper Flow Rate Zone	±2% for water having a temperature <30°C ±3% for water having a temperature > 30°C					
Operating Temperature	-10°C~55°C					
Accidental Temperature	-20°C~55°C					
Max Loss(ΔP)	Δp63					
Max Pressure(MAP)	MAP16					
Environmental Classification	Class B					
Protection Class	IP68					
Material	Composite plastic					
The Installation Sensitivity	U0/D0					
Climatic and Mechanical Environmental Grades	M1					
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT,4G					
Installation Direction	Horizontal					
Power Source	Lithium batteries					
Module Battery Lifetime	10-15 years					
Historical Storage Data	1080 hours, 180 days, 24 months					

Compatible Modules



Interoperable With Open Standards

LoRaWAN / NB-IoT / 4G

