wellmeter
Smart Metering

Advanced Flow Intelligence
Modular Water Meter Technology

ISO ISO4064 · NSF · CE · MID · EN 14154 · OIML

Application Standards

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SJWM-13B-25B

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:** *865MHz, 868MHz, 915MHz, 902MHz, 920MHz etc*

Communication

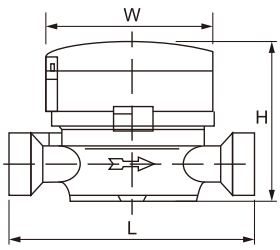
M-Bus | RS485 | PULSE | NB-IoT | LoRaWAN | 4G

Feature Highlights

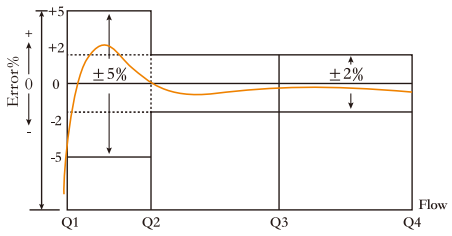
- Magnetic Interference Alarm
- Tamper Alarm
- Multiple Accuracy Options
- Backflow, Reverse Flow Alarm
- Leakage Alarm
- Exceptional Industrial Design

Dimensions

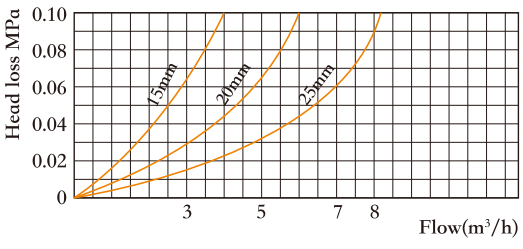
Nominal Diameter (mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
L (mm)	110	130	160
H (mm)	80	85	90
W (mm)	80	80	80
Weight (kg)	0.57	0.68	0.91



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					
Body Material	Brass					
The Installation Senstivity	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

Radio walk-by handheld unit