

Panda PWM-S Residential Series

Residential Ultrasonic Water Meter DN15-DN25

Features >>>



- Full Stainless Steel Body . Can Be Used For High-Quality Direct Drinking Water Metering
- Wide Range
- Measuring Low Starting Flow, Reduce The Gap Between Production And Sales Effectively
- No Moving Parts, Accuracy Will Not Change After Long Term Working
- With Functions of Self-diagnosis, Flow Sensor Alarm, Temperature Sensor Alarm, Over Range Alarm and Battery Undervoltage Alarm
- Low Consumption Design, Battery Can Continuously Work For 8 Years
- With Optic Electric Interface, Hand-held Infrared Meter Reading Tool Can Read Directly
- Built-in Wireless LoRaWAN/NB-IoT
- Upload Time Can Be Set According To User Specified Time, 48 Pcs of Historical Data Can Be Uploaded Every Day
- Integrated Multiple Intelligent Alarm Functions For Abnormal Water Consumption, Open Protocol Is More Suitable For Compatible Extension
- Bi-directional Measuring Forward And Reverse Flow
- According To Sanitary Standard For Drinking Water

Technical Specification >>>

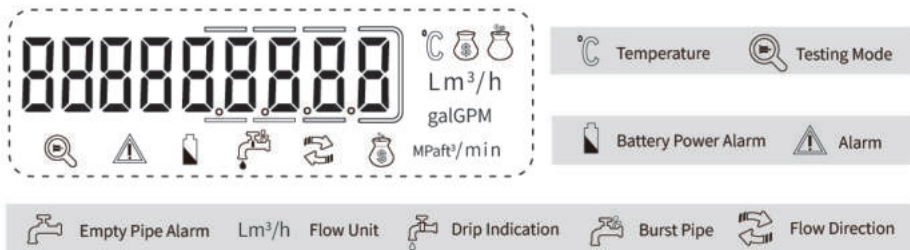
Max. Working Pressure	1.6Mpa
Temperature Class	T30
Accuracy Class	ISO 4064, Accuracy Class 2
Body Material	Stainless Steel 304 (opt. SS316L)
Battery Life	8 Years(Consumption ≤0.3mW)
Protection Class	IP68
Environmental Temperature	-40°C~+70°C, ≤100%RH
Pressure Loss	ΔP25
Climatic And Mechanical Environment	Class O
Electromagnetic Class	E2
Communication	Wired M-bus, RS485, Wireless LoRaWAN, (opt.NB-IoT)
Display	9 digits multi-line LCD display. Can display cumulative flow (m ³ , L, GAL), instantaneous flow (m ³ /h, L/min, GPM), battery alarm, flow direction, output etc.
Connection	Thread
Flow Profile Sensitivity Class	U5/D3 (U3/D0, U0/D0)
Data Storage	Store the data, including day, month, and year for latest 24 months.The data can be permanently saved even powered off
Frequency	1-4 times/second

Remarks: LoRaWAN/NB-IoT signal becomes weak, repeated uploading will shorten battery life

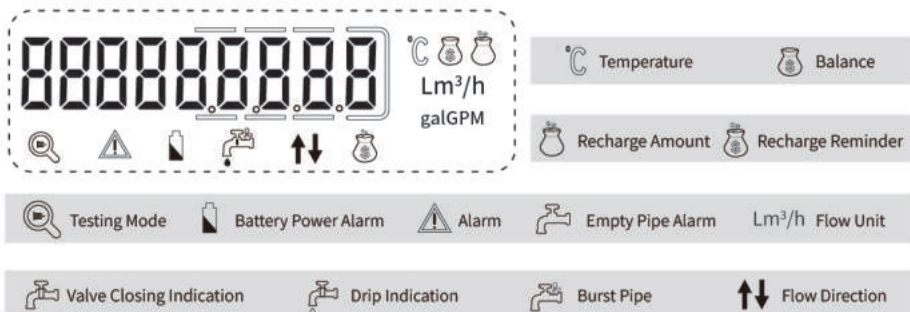
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Residential Ultrasonic Water Meter Display Without Valve >>>



Residential Ultrasonic Water Meter Display With Valve >>>



Measuring Range and Dimensions

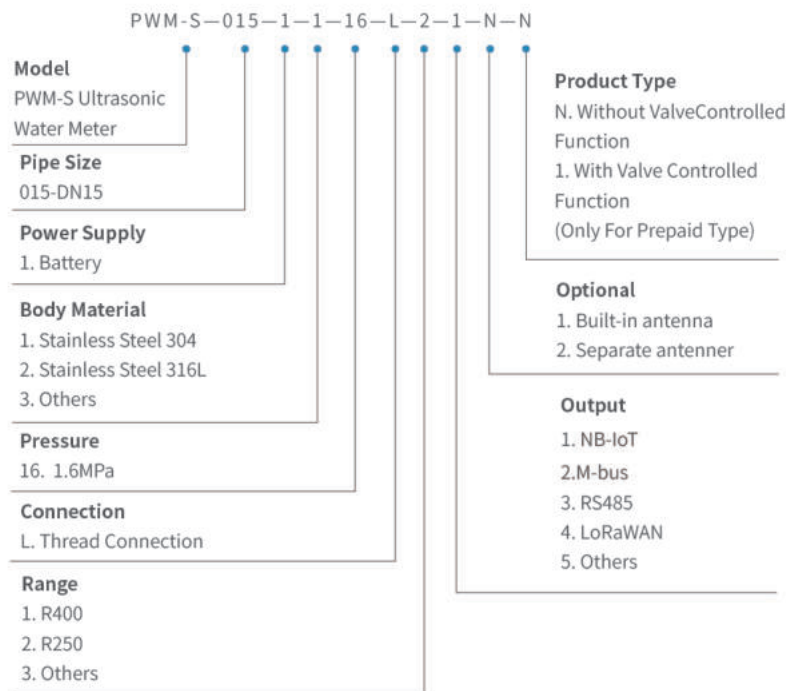
Model	PWM-S Without Valve						Installation without connection accessories (A)	Installation with connection accessories (B)	L	L1	H	Length of connection accessories (S)	W	Weight
Nominal Diameter	Permanent Flow Q3	Transitional Flow Q2	Minimum Flow Q1	Permanent Flow Q3	Transitional Flow Q2	Minimum Flow			mm	mm	mm	mm	mm	kg
R=Q3/Q1	250			400										
DN(mm)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)			mm	mm	mm	mm	mm	kg
15	2.5	0.016	0.010	2.5	0.010	0.006	G½B	R½	165	109	69.5	44.5	83.5	0.7
20	4.0	0.026	0.016	4.0	0.016	0.010	G1B	R¾	195	125	73	49.5	89.5	0.95
25	6.3	0.040	0.025	6.3	0.025	0.016	G1¼B	R1	225	131	73	58.5	89.5	1.15

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Measuring Range and Dimensions

Model		PWM-S Without Valve												
Nominal Diameter	Permanent Flow Q3	Transitional Flow Q2	Minimum Flow Q1	Permanent Flow Q3	Transitional Flow Q2	Minimum Flow	Installation without connection accessories (A)	Installation with connection accessories (B)	L	L1	H	Length of connection accessories (S)	W	Weight
R=Q3/Q1	250			400										
DN(mm)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)	(m ³ /h)			mm	mm	mm	mm	mm	kg
15	2.5	0.016	0.010	2.5	0.010	0.006	G¾B	R½	165	135	82	44.5	96	0.85
20	4.0	0.026	0.016	4.0	0.016	0.010	G1B	R¾	195	157	90	49.5	100	1.15
25	6.3	0.040	0.025	6.3	0.025	0.016	G1¼B	R1	225	165	96.5	58.5	100	1.35

Model Selection >>>



For Example: PWM-S-015-1-1-16-L-2-1-N-N

Stands for: PWM-S Ultrasonic Water Meter, pipe size DN15, battery power supply, stainless steel 304, pressure 1.6Mpa, thread connection, R250, M-BUS output, built-in antenna, without valve controlled function.