

Panda PWM-S Series

Ultrasonic Water Meter DN32-DN40

Features >>>



- With Rectifier Function, Low Installation Requirement of Straight Pipe
- Single/dual channel optional
- Suitable for mass flow and tiny flow measurement and compatible with full-bore and reduced-bore ultrasonic water meters in the markets
- The Integrated Design Of Flow, Pressure And Wireless Reading Meets Monitoring Pipeline Requirements
- Configured With Remote Data Collector, Remotely Connect To Smart Metering Platform
- IP68 Protection Class, To Ensure Long Term Underwater Working
- Low Consumption Design, Double D Size Batteries Can Continuously Work For 10 Years
- Bi-directional Measuring Forward And Reverse Flow
- Data Storage Function Can Save 10 Years' Data Including Day, Month and Year
- 9 Digits Multi-line LCD Display. Can Display Cumulative Flow, Instantaneous Flow, Flow, Pressure, Temperature, Error Alarm, Flow Direction etc. At The Same Time
- Standard RS485(Modbus) And OCT Pulse, A Variety Options of NB-IoT GPRS etc.
- Stainless Steel 304 Pipe Which Is Tensile Molding Patent, Electrophoresis With Anti-Scaling
- According To Sanitary Standard For Drinking Water
- With Life Cycle Management Function, To Check Detailed Information At Any Time
- Pipe Length Can Be Customized As Customers' Requirements

Technical Specification >>>

Max. Working Pressure	1.6Mpa
Temperature Class	T30, T50, T70, T90 (Default T30)
Accuracy Class	ISO 4064, Accuracy Class 2
Body Material	Stainless Steel 304 (opt. SS316L)
Battery Life	10 Years (Consumption≤0.3mW)
Protection Class	IP68
Environmental Temperature	-40℃~+70℃, ≤100%RH
Pressure Loss	ΔP10, ΔP16 (Based on different dynamic flow)
Climatic And Mechanical Environment	Class O
Electromagnetic Class	E2
Communication	RS485(baud rate is adjustable), Pulse, Opt. NB-IoT, 4G
Display	9 digits multi-line LCD display. Can display cumulative flow, instantaneous flow, flow rate, pressure, temperature, error alarm, flow direction etc. at the same time
RS485	Default baud rate 9600bps (opt. 2400bps, 4800bps), Modbus-RTU
Connection	Thread
Flow Profile Sensitivity Class	U5/D3
Data Storage	Store the data, including day, month, and year for 10 years The data can be permanently saved even powered off
Frequency	1-4 times/second

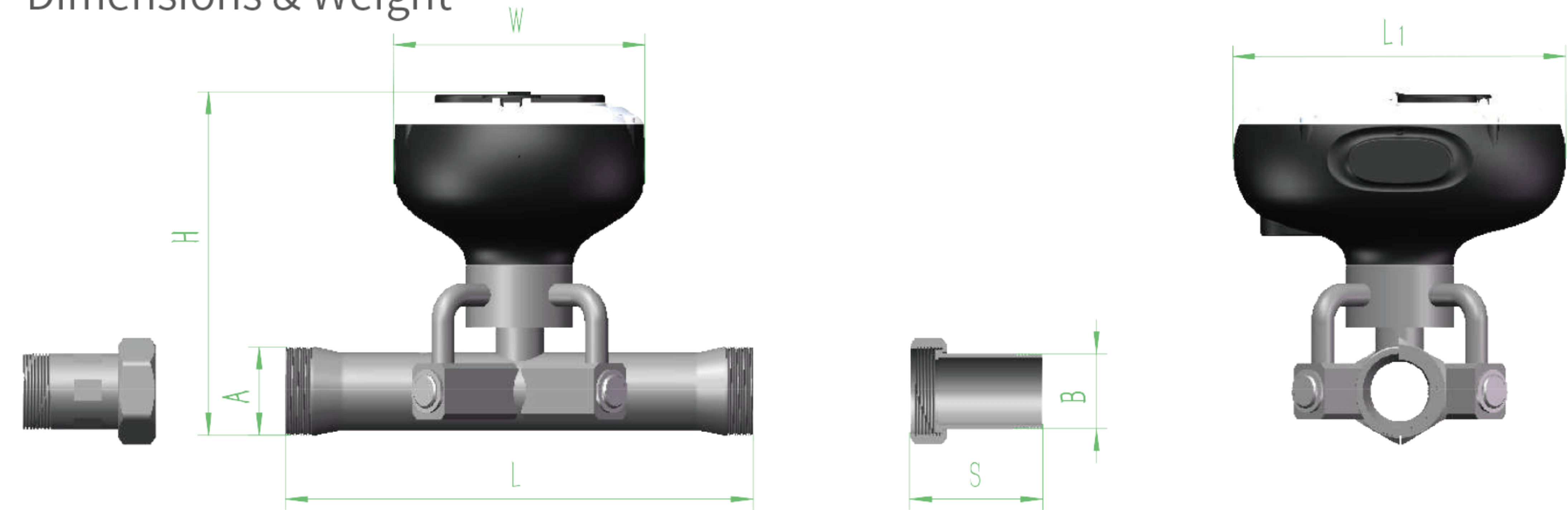
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· Measuring Range

Model		PWM-S					
Nominal Size	(mm)	32	40	32	40	32	40
	(inch)	1 ¼”	1 ½”	1 ¼”	1 ½”	1 ¼”	1 ½”
Overload Flow Q4(m³/h)		20	31.25	20	31.25	20	31.25
Permanent Flow Q3(m³/h)		16	25	16	25	16	25
Transitional Flow Q2(m³/h)		0.16	0.25	0.1024	0.16	0.051	0.08
Minimum Flow Q1(m³/h)		0.1	0.15625	0.064	0.1	0.032	0.05
R=Q3/Q1		160		250		500	
Q2/Q1		1.6					

· Dimensions & Weight



Model		PWM-S		
Nominal Diameter	(mm)	32	40 (Optimization)	40
Installation without connection accessories (A)		G1½B	G1¾B	G1¾B
Installation with connection accessories (B)		G1¼	G1½	G1½
L (mm)		260	300	245
L1 (mm)		185	185	185
H (mm)		201	206	206
W (mm)		140	140	140
Length of connection accessories (S)		60	61.5	61.5
Weight (kg)		3.8	4.3	3.8

Remarks: Other length of pipe can be customized

Ultrasonic Water Meter DN32-DN40

Model Selection >>>

PWM-S-040-1-1-16-L-1-1-1-N

Model

PWM-S Ultrasonic Water Meter

Pipe Size

032-DN32
040-DN40

Power Supply

1. Battery
2. 24VDC+ Battery

Body Material

1. Stainless Steel 304
2. Stainless Steel 316L

Pressure

16. 1.6MPa
Others

Connection

L. Thread Connection
Q. Others

Meter Length&Channel

- N Standard Length&Dual Channel
- L Customized Length&Dual Channel
- N1 Standard Length&Single Channel
- L1 Customized Length&Single Channel

Optional Function

- N. None
- 1. Pressure Measurement
- 2. Built-in Remote Reading Function
- 3. Pressure Measurement & Built-in Remote Reading Function
- 4. Remote Valve Control & With Pressure
- 5. Remote Valve Control & Without Pressure

Output

1. RS485+OCT Pulse (standard)
2. Others

Range

1. R500
2. R250
3. R160
4. R100
5. Others

For Example: PWM-S-040-1-1-16-L-1-1-1-N

Stands for: PWM-S ultrasonic water meter, pipe size DN40, battery power supply, stainless steel 304, pressure 1.6Mpa, thread connection, R500, RS485 output, with pressure measurement function, standard length.