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PVC Flow Meter User Manual

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1. Product Features:

- Measurement accuracy: ±10%
- Plastic housing made of UPVC, impeller made of PP plastic, and ceramic shaft core.
- Corrosion-resistant, anti-aging, not easy to block, suitable for large flow applications.

2. Product Specifications:

Operating Voltage	5~24VDC
Operating Current	10mA Max (24VDC)
Measured Medium	Water or other chemical liquids
Operating Pressure	5 kg/cm^2
Response Time	Real-time
Operating Temperature	-10℃~60℃
Protection Grade	IP65
Water Pressure Resistance	Below DN25: ≤1.75 MPa DN25 and above: ≤2 MPa

3. Pulse Description

Size	Measuring Range (L/min)	Applicable Outer Pipe Diameter	Pulse Characteristics
DN15	5－100	20 mm	F = 1.8*Q 108 pulses = 1 L of water
DN20	10－150	25 mm	F = 1.4*Q 84 pulses = 1 L of water
DN25	20－280	32 mm	F = 1.16*Q 70 pulses = 1 L of water
DN32	40－460	40 mm	F = 0.69*Q 41.5 pulses = 1 L of water
DN40	50－750	50 mm	F = 0.38*Q 23 pulses = 1 L of water
DN50	60－1160	63 mm	F = 0.22*Q - 1 13 pulses = 1 L of water
DN65	80－1980	75 mm	F = 0.13*Q 8 pulses = 1 L of water
DN80	100－3000	90 mm	F = 0.075*Q 4.5 pulses = 1 L of water

Note: Q = L/min

The flow rate should be kept within the measuring range; otherwise, the liquid will not generate a signal output. It is recommended that the pipeline be fully filled with water. Note!!! DN15 and DN20 models do not include union joints. For specific details, please contact the sales representative.

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4. Wiring Diagram

Red IN is connected to the positive terminal

Yellow out signal output line

Black GND connects to the negative terminal

Correct Mounting Position