

## DN25, water flow sensor, 1 inch diameter Hall flow meter, central air conditioning pool water switch



Water flow sensor consists of a plastic valve body, a water rotor, and a hall-effect sensor. When water flows through the rotor, rotor rolls. Its speed changes with different rate of flow. The hall-effect sensor outputs the corresponding pulse signal. This one is suitable to detect flow in water dispenser or coffee machine.

### **Features:**

- Compact, Easy to Install
- High Sealing Performance
- High Quality Hall Effect Sensor
- RoHS Compliant

### **Specifications**

- Mini. Working Voltage: DC 4.5V
- Working Voltage: DC 5V~24V
- Flow Rate Range: 1~100L/min
- Water pressure resistance:  $\leq 1.75\text{MPa}$
- Operating Temperature:  $= -20\sim 85\text{C}$
- Insulation resistance:  $= >100\text{M}\Omega$
- Characteristics of Flow pulse:  $f=(4.8*Q)$  where  $Q=L/\text{Min}$
- Accuracy:  $\pm 3\%$
- Connector type: G1
- Low temperature test : After placing at  $-20\text{ }^{\circ}\text{C}$  for 72h, place at room temperature for 1h, the accuracy is within  $\pm 5\%$  of the first measured value.
- High temperature test : After standing at  $85\text{ }^{\circ}\text{C}$  for 72 h, place at room temperature for 1h, the accuracy is within  $\pm 3\%$  of the first measured value.

**Caution:**

- No severe impact or chemical attack is permitted
- Do not throw or bump
- Press the arrow on the product to install
- Medium temperature should not exceed 80 degC.

**Connection details**

- Red IN : Positive
- Yellow OUT : Signal output line
- Black GND : Negative pole

**Dimensions / Weight**

- Dimensions : 4.49 in x 2.8 in x 1.93 in (11.4 cm x 7.1 cm x 4.9 cm)
- Weight : 5.57 oz (158 g)
- Tube diameter : 1"

**Packing List**

- 1 x Flowmeter (wire length: 14cm)