



**HESTORE.HU**

elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).

# Water Flow Sensor YF-B2



It consists of a copper 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.

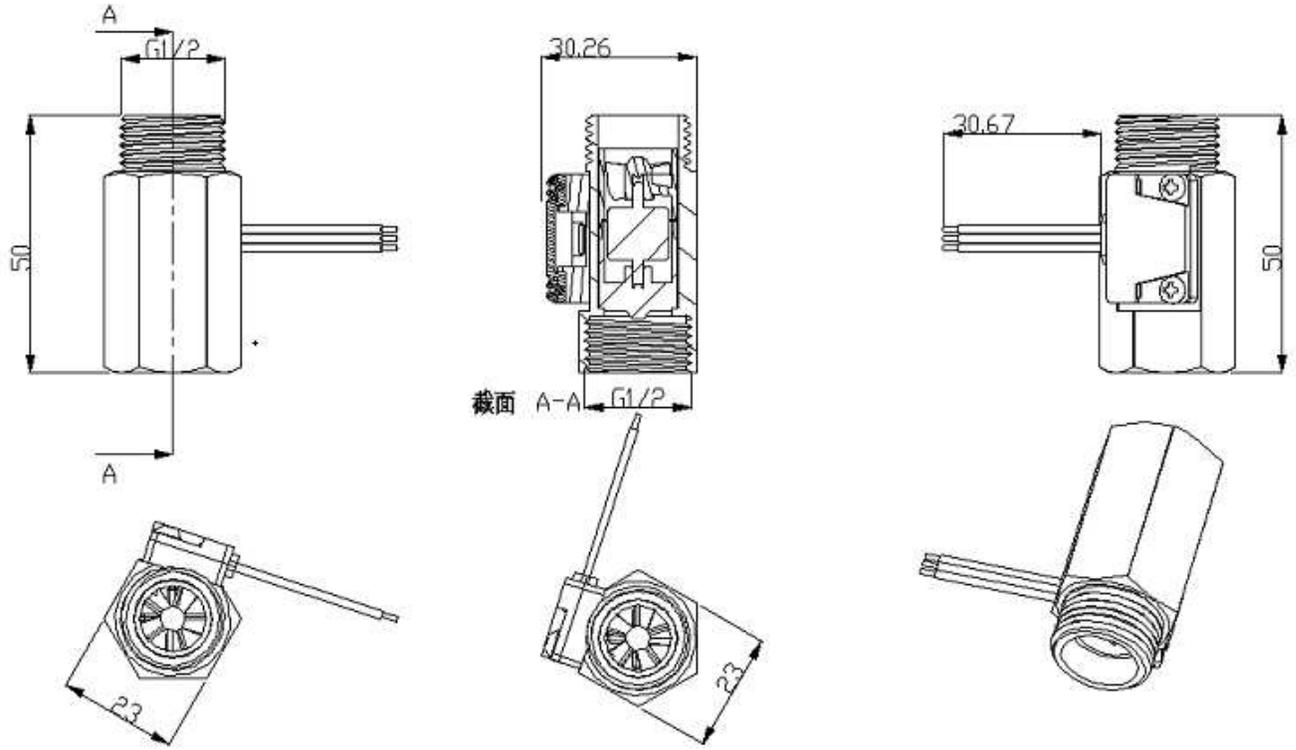
Water flow sensor consists of a copper body, a water rotor, and a hall-effect sensor. When water flows through the rotor, rotor rolls. Its speed changes with different rate of flow. The hall-effect sensor outputs the corresponding pulse signal. This one is suitable to detect flow in water dispenser or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

Life is longer than plastic body.

## Features

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

### Part List



## Technical details

|                       |                            |
|-----------------------|----------------------------|
| Dimensions            | 0mm x0mm x0mm              |
| Weight                | G.W 99g                    |
| Battery               | Exclude                    |
| Mini. Working Voltage | DC 4.5V                    |
| Max. Working Current  | 15mA (DC 5V)               |
| Working Voltage       | DC 5V~15V                  |
| Flow Rate Range       | 1~25L/min                  |
| Frequency             | $F=(11*Q)Q=L/MIN\pm 3\%$   |
| Load Capacity         | $\leq 10\text{mA}$ (DC 5V) |
| Operating Temperature | 0 ~ 80°C                   |
| Liquid Temperature    | $\leq 120^\circ\text{C}$   |
| Operating Humidity    | 35%~90%RH                  |

|                         |                               |
|-------------------------|-------------------------------|
| Water Pressure          | ≤1.75MPa                      |
| Storage Temperature     | -25~+ 80°C                    |
| Storage Humidity        | 25%~95%RH                     |
| Interface Dimensions    | G1/2Inch                      |
| Error Range             | (1~30L\MIN) ±3%               |
| Material Description    | H57Copper+POM                 |
| Output Pulse High Level | >DC 4.7V (Input Voltage DC5V) |
| Output Pulse Low Level  | <DC 0.5V (Input Voltage DC5V) |
| Output Pulse Duty Cycle | 50%±10%                       |