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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.

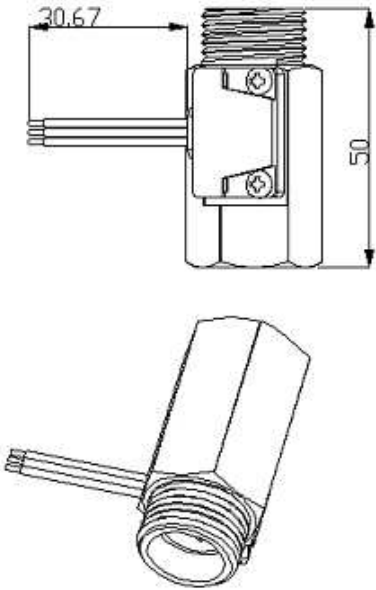
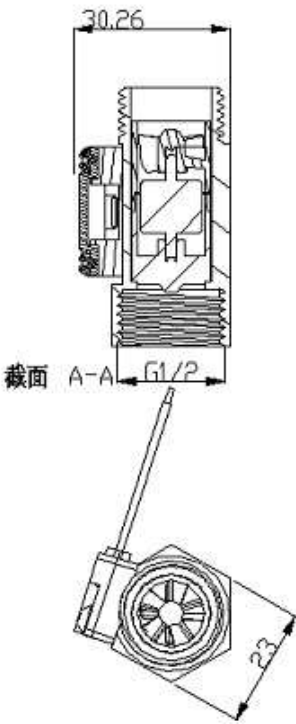
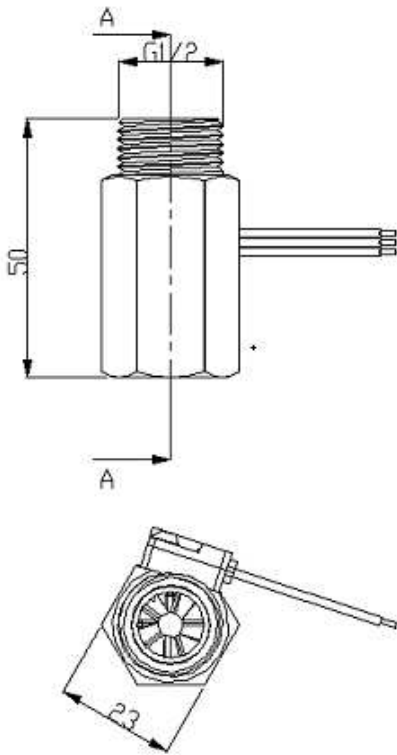
Water flow sensor consists of a copper body, a water rotor, and a hall-effect sensor. When water flows through the rotor, rotor rolls. Its speed changes with different rate of flow. The hall-effect sensor outputs the corresponding pulse signal. This one is suitable to detect flow in water dispenser or 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. Wokring Voltage	DC 4.5V
Max. Working Current	15mA (DC 5V)
Working Voltage	DC 5V~15V
Flow Rate Range	1~25L/min
Frequency	$F=(11*Q)Q=L/MIN\pm3\%$
Load Capacity	≤10mA (DC 5V)
Operating Temperature	0 ~ 80℃
Liquid Temperature	≤120℃
Operating Humidity	35%~90%RH

Water Pressure	≤1.75MPa
Storage Temperature	-25～+ 80℃
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%