

MODEL: YF-S201

Description:

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. We have a comprehensive line of water flow sensors in different diameters. Check them out to find the one that meets your need most.

Features:

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

Specifications:

Working Voltage: DC 4.5V~24V
Normal Voltage: DC 5V~18V
Max. Working Current: 15mA (DC 5V)
Load capacity: ≤ 10 mA (DC 5V)
Flow Rate Range: 1~30L/min
Load Capacity: ≤ 10 mA (DC 5V)
Operating Temperature: $\leq 80^{\circ}\text{C}$
Liquid Temperature: $\leq 120^{\circ}\text{C}$
Operating Humidity: 35%~90%RH
Allowing Pressure: $\leq 1.75\text{MPa}$
Storage Temperature: $-25 \sim +80^{\circ}\text{C}$
Storage Humidity: 25%~95%RH
Electric strength 1250V/min
Insulation resistance $\geq 100\text{M}\Omega$
External threads: 1/2"
Outer diameter: 20mm
Intake diameter: 9mm
Outlet diameter: 12mm



Application:

Water heaters, credit card machines, water vending machine, flow measurement device!

Cercuit:

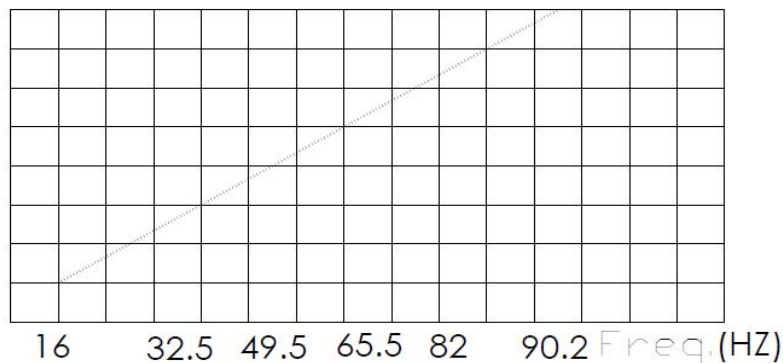
Red: Positive
Black: GND
Yellow: Output signal

Flow Range: 100L/H-/1800H-L/H

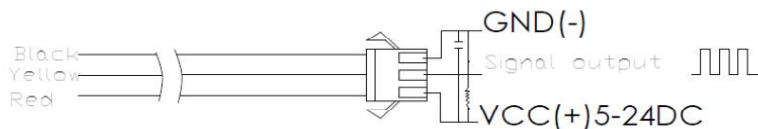
| Flow (L/H) | Frezq.(Hz) | Erro range |
|------------|------------|----------------|
| 120 | 16 | ± 10 5% |
| 240 | 32.5 | |
| 360 | 49.3 | |
| 480 | 65.5 | |
| 600 | 82 | |
| 720 | 90.2 | |

L/H

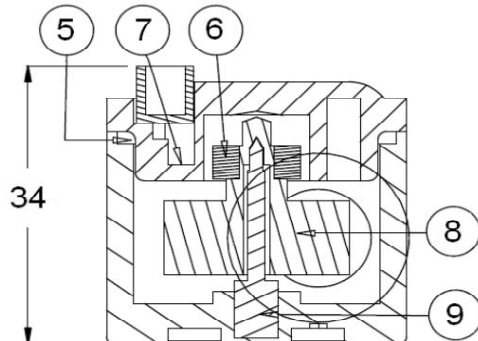
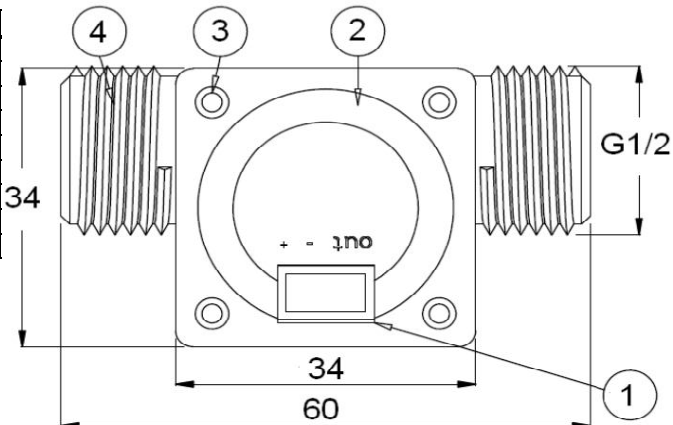
840
720
600
480
360
240
120
0



Connection method:



| N° | Item | Material |
|----|--------------|-------------|
| 1 | Wire | PVC |
| 2 | Bonnet | PA |
| 3 | Screw | Zinc Plated |
| 4 | Valve Body | PA |
| 5 | Press Valve | |
| 6 | Magnet | |
| 7 | Hall | |
| 8 | Impeller | POM |
| 9 | Steel Sharft | SUS304 |



Closed