

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: ≤10mA (DC 5V)
- Operating Temperature: ≤80°C
- Liquid Temperature: ≤120°C
- Operating Humidity: 35%~90%RH
- Allowing Pressure: ≤1.75MPa
- Storage Temperature: -25~+ 80°C
- Storage Humidity: 25%~95%RH
- Electric strength 1250V/min
- Insulation resistance ≥ 100MΩ
- External threads: 1/2"
- Outer diameter: 20mm
- Intake diameter: 9mm
- Outlet diameter: 12mm



Application:

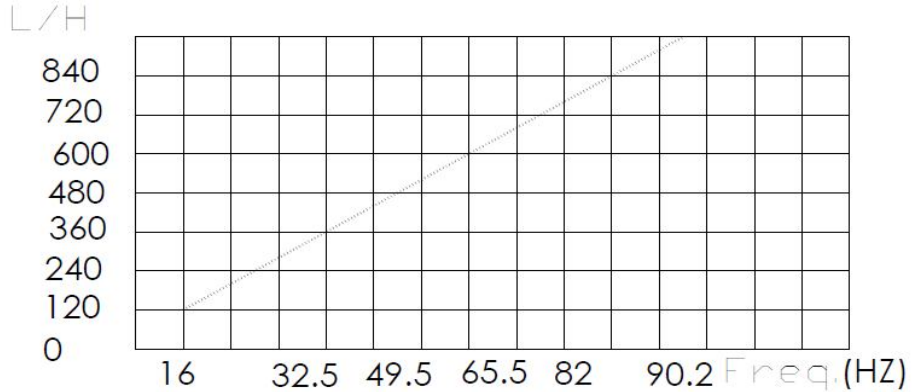
Water heaters, credit card machines, water vending machine, flow measurement device!

Cercuit:

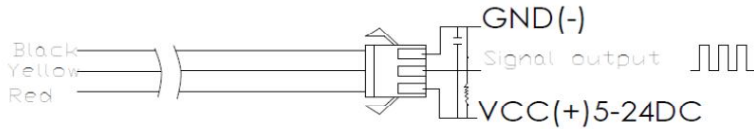
- Red: Positive
- Black: GND
- Yellow: Output signal

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

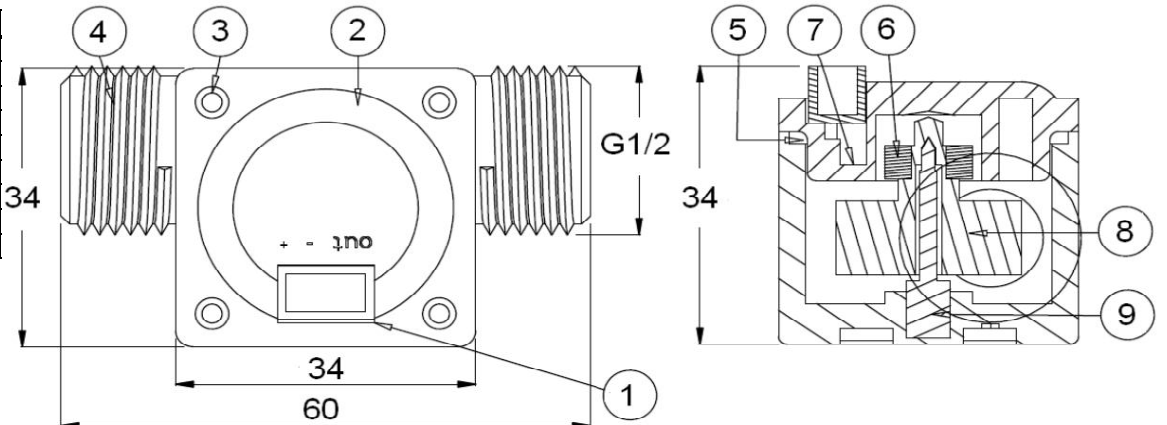
Flow (L/H)	Frezq.(Hz)	Erro range
120	16	±10 5%
240	32.5	
360	49.3	
480	65.5	
600	82	
720	90.2	



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