Water Flow Sensor

**Description of the YF-S201**

YF-S201 is a water flow measurement sensor with high-grade quality sealing property. It works on the Hall effect principle and with a flow rate range of 1~30L/min. The module has three pins: Power, Ground, and the Analog output. YF-S201 consumes very little current and can work with an allowing pressure of ≤1.75MPa.

**Features of YF - S201**

* Operating Voltage: 4.5V to 18V DC
* Output type: 5V TTL
* Maximum current draw: 15mA at 5V
* The sensor used: Hall Effect
* Working Flow rate: 1 to 30 Liters/Minute
* Accuracy: ±10%
* Pulses per Liter: 450
* Output duty cycle: 50% +-10%
* Maximum water pressure: 2.0 MPa
* Flow rate pulse characteristics: Frequency (Hz) = 7.5 \* Flow rate (L/min)

**Pin configuration of YF-S201**

YF - S201 has 3 Pins for power and the output. The table below explains the color, pin type, and function of the pin.

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| **Colour** | **Pin type** | **Function** |
| Red | Power | To provide power to the module |
| Black | Ground | Connected to the ground terminal |
| Yellow | Signal | Analog output from the sensor |