

G3 / 4 Chrome-plated Alloy Steel Water Flow Sensor

Turbine Hall Flowmeter



Description

it is turbine type water flow measuring sensor. when water flows through it, it will output a number of pulses. By counting the pulses from the output of the sensor, you can easily calculate water flow. each pulse is approximately 3.33 milliliters.

As an example we have Arduino sketch that can be used to quickly test the sensor, it will calculate the approximate flow of water in liters / hour.

the pulse signal is a simple square wave so its quite easy to log and convert it to liters per minute with the following formula.

Pulse frequency (Hz) = 6.6 * flow rate in L / min.

characteristics:

Measurement flow range: 1 ~ 30 L / min

Working voltage: 4.7 ~ 15 VDC

working current: ≤ 10 mA (DC 5 V)

-Working humidity: 35% ~ 90% RH (no frost)

-working pressure: <1.75Mpa

working temperature: -25 ~ 80 °C

- external thread: G3 / 4 (3/4 inch)

-Output connector: 2.54MM-3P

Output leads: yellow (DATA), red (VCC), black (GND)

-lead length: 30 cm

-Application: water heaters, credit card machines, water vending machine, water flow measurement device.