

Water Flow Sensor SEN-HZ43WA



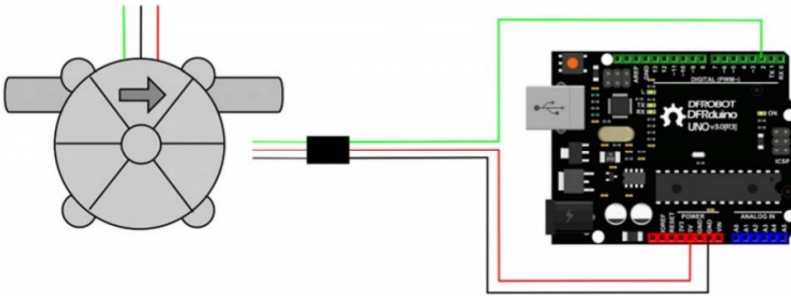
This sensor sits in line with your water line, and uses a pinwheel sensor to measure how much liquid has moved through it. The pinwheel has a little magnet attached, and there's a hall effect magnetic sensor on the other side of the plastic tube that can measure how many spins the pinwheel has made through the plastic wall. This method allows the sensor to stay safe and dry.

FEATURES:

- Material: Plastic
- Color: Black
- Flow Range: 2~45L/Min
- Maximum Water Pressure: 1.75MPa
- Current: DC4.5-18V (Rated-DC5V)
- Connection: G3/4
- straight structure Specification: 60*31*35mm
- Flow conversion: 1L Water=477 pulse±10%
- Water temperature: Less than 60 °C

WORKING PRINCIPLE:

The sensor itself is very simple inside; there is a small flapper wheel that spins as water flows past. A magnet on the flapper wheel triggers a hall effect sensor which sends a momentary pulse down the output wire with each revolution. Knowing that there are 450 pulses per liter, we can then determine the flow rate over time or the total volume that has passed.



Red: Power In

Black: Ground

Yellow: Signal Output

APPLICATIONS:

Suitable for water heater, POS terminal, automatic water dispenser etc.