

Mini Flow Sensor

FLW001

This basic flow meter is used to measure liquid/water flow in solar, computer cooling, or gardening projects. This sensor sits in line with your water line, and measures how much liquid has moved through it.

The sensor comes with three wires: red (5-12VDC power), black (ground) and yellow (Hall effect pulse output). By counting the pulses from the output of the sensor, you can easily track fluid movement: each pulse is approximately 2.2 mL. The pulse rate does vary a bit depending on the flow rate, fluid pressure and sensor orientation and needs careful calibration if higher precision is required.



Features:

Operating Voltage: 5-18V DC

Max current draw: 10mA (5V)

Flow Rate: 1 to 30 Liters/Minute \pm 1%

Operating Temperature range: -25 to 80°C

Working Humidity Range: 35%-90% RH

Maximum water pressure: 1.75 MPa

Output duty cycle: 50% \pm 10%

Output rise time: 0.04 μ s

Output fall time: 0.18 μ s

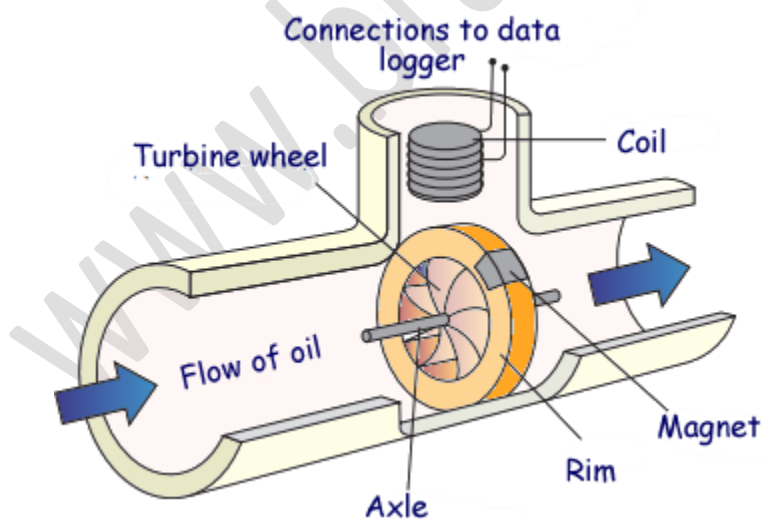
Cable Length: 15cm

Pulses per Liter: 450

Durability: minimum 300,000 cycles

Flow rate pulse characteristics: Frequency (Hz) = 7.5 * Flow rate (L/min)

Size: 6.2 x 3.6 x 3.4cm



Applications:

Water Vending Machines

Coffee Vending Machines

Juice vending Machines

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