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Gravity: Liquid Flow Sensor (G1/2)

\$19.90

- 1 +

This liquid flow sensor uses electromagnetic principles, is waterproof, liquids via NPN pulse signals.

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G1/4

\$19.90



G1/2

\$19.90



G3/4

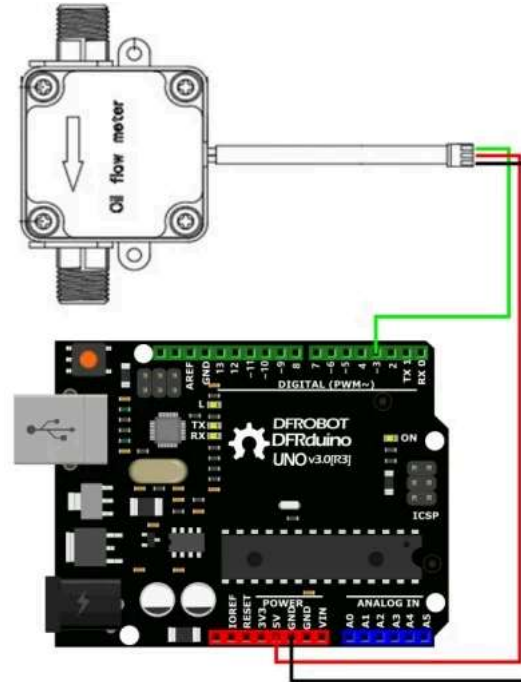
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Introduction

This Gravity: Liquid Flow Sensor is designed based on the electromagnetic principle. It adopts O-ring rubber seal and uses silicone sealant at the outlet end to ensure good waterproofness. Also, it embraces high anti-electromagnetic interference and anti-vibration capabilities, offering reliable performance and long service life.

The sensor can be used with microcontrollers like [Arduino UNO](#) to measure the flow of liquids with high concentration and low viscosity like water, diesel, engine oil, milk, paint, detergent, honey, etc. (no impurity in liquid)



Features

- Gravity interface, easy to wire
- Wide voltage of 3.5~24V
- Measure the flow of the high-concentration but low-viscosity liquid
- RoHS compliant

Applications

- Measure the flow of liquids with high concentration and low viscosity

Specification

Operating Voltage: DC3.5~24V

Operating Current: $\leq 10\text{mA}$ (DC5V)

Output Mode: NPN pulse signal

Pipe Diameter: G1/2

Thread I.D.: 10mm

Thread O.D.: 20.5mm

Thread Length: 29mm

Water Pressure Resistance: $\leq 1.2\text{MPa}$

Insulation Resistance: $>100\text{M}\Omega$

Flow Range: 30-1200L/H

Error: $\pm 1\%$ (5-600L/H)

Output Pulse High Level: $>\text{DC}4.7\text{V}$ (input voltage DC5V)

Output Pulse Low Level: $<\text{DC}0.5\text{V}$ (input voltage DC5V)

Output Pulse Duty Ratio: $50\% \pm 10\%$

Flow & Pulse Correlation: 1L=150 pulses

Operating Temperature: $\leq 80^\circ\text{C}$

Operating Humidity: 35%~90%RH (No condensing)

Storage Temperature: $-25^\circ \sim +80^\circ\text{C}$

Storage Humidity: 25%~95%RH

Dimensions: 80*47*37mm/3.15*1.85*1.46"

Documents

[Product wiki](#)

Shipping List

Gravity: Liquid Flow Sensor (G1/2) × 1

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