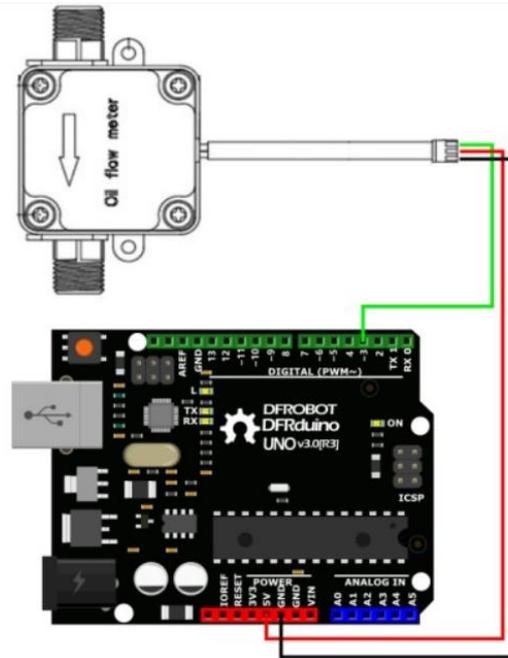


Gravity: Liquid Flow Sensor (G1/2)

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%±10%
Flow & Pulse Correlation: 1L=150 pulses
Operating Temperature: ≤80°C
Operating Humidity: 35%~90%RH (No condensing)
Storage Temperature: -25~+80°C
Storage Humidity: 25%~95%RH
Dimensions: 80*47*37mm/3.15*1.85*1.46"

SHIPPING LIST

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

