Arduino Flow Sensor Libraries

1. FlowSensor Library by hafidhh

Supports sensors like YF-S201, YF-B1, OF10ZAT.

Features:

- Measure total volume (liters)

- Get flow rate (L/min, L/sec)

- Count pulses from the sensor

Installation:

- Arduino Library Manager:

  1. Open Arduino IDE

  2. Go to Sketch > Include Library > Manage Libraries...

  3. Search "FlowSensor"

  4. Click Install

- GitHub:

  1. Visit: https://github.com/hafidhh/FlowSensor-Arduino

  2. Download ZIP

  3. Go to Sketch > Include Library > Add .ZIP Library...

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2. FlowMeter Library by sekdiy

Advanced features:

- High-accuracy flow and volume measurement

- Multiple sensor support

- Sensor calibration

Installation:

1. Visit: https://github.com/sekdiy/FlowMeter

2. Download ZIP

3. Add using Sketch > Include Library > Add .ZIP Library...

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3. SFM3X00 Library (Sensirion sensors)

For Sensirion sensors like SFM3200, SFM3400 using I2C.

Installation:

1. Visit: https://github.com/PubInv/SFM3X00

2. Download ZIP

3. Add using Sketch > Include Library > Add .ZIP Library...

Summary:

- Use FlowSensor for common sensors (e.g., YF-S201)

- Use FlowMeter for high precision or multiple sensors

- Use SFM3X00 for Sensirion I2C-based sensors