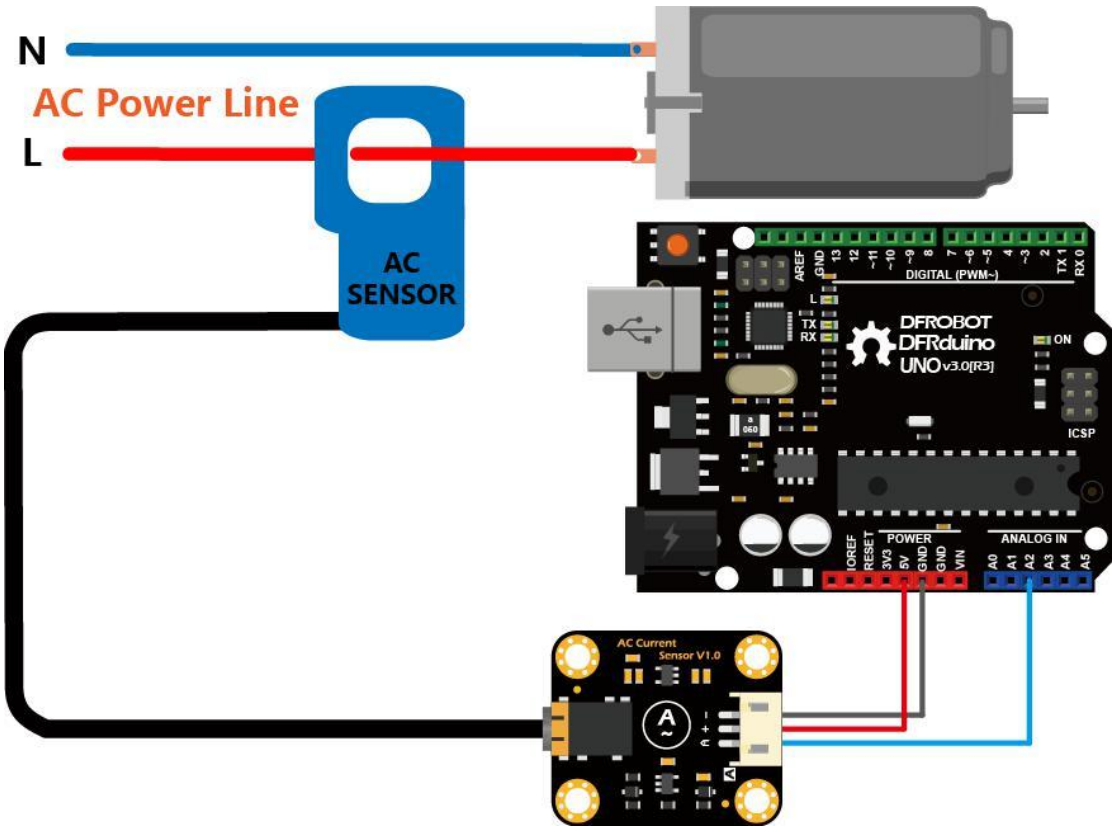
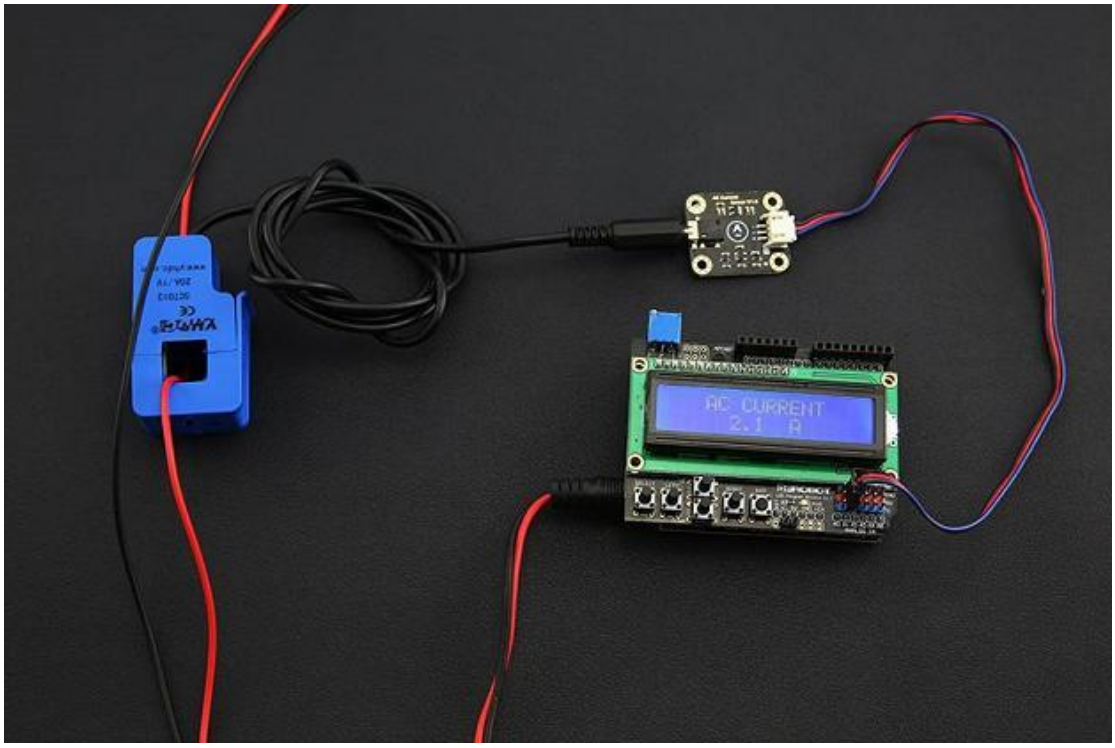
Introduction

When you want to measure the AC current, are you still having trouble cutting the wires, wiring or soldering. Gravity: Analog AC Current Sensor comes to the rescue, eliminating the need to cut wires or reconnect circuits. Simply clamp the AC transformer probe on the AC line, and then plug the 3.5mm headphone jack into the signal conversion module to read the current AC current value. The analog output is designed to be compatible with 3V3/5V micro-controller. It can be conveniently used for AC current measurement to monitor AC motors, lighting equipment, air compressors, etc.

Connection Diagram



Gravity: Analog AC Current Sensor connection diagram (Arduino UNO)



Measure and display household appliances AC current

Features

- Non-contact measurement, high safety
- Multiple ranges for various measurement scenarios
- Compatible with 3V3/5V micro-controller

Applications

- AC motor automatic monitoring
- Lighting and electrical equipment measurement

Specification

AC Current Signal Conversion Module

- Input Voltage (VCC): 3.3V-5.5V
- Interface: Gravity Analog (PH2.0-3P， analog voltage output 0.2-2.8V DC)
- AC Voltage Input Range: 0-1V (AC RMS)
- Relative Error: ±4%
- Dimension: 32 × 27 mm /1.26 × 1.06 in
- Weight: 5 g

Open Type AC Transformer Probe

- AC Current Range: 0-5 A
- Signal Output (standard Φ3.5mm 3P plug): 0-1V AC voltage, linear corresponding range 0-5A
- Accuracy: ±1%
- Non-linearity: ⩽±0.2%
- Frequency Range: 50Hz ~ 1kHz
- Cable Length: 1 m
- Working Temperature: -25 ℃ ~ +70 ℃
- Opening Size: 13 × 13 mm / 0.51 × 0.51 in
- Weight: 50 g

Documents

Product wiki

More Documents

Shipping List

- AC Current Signal Conversion Module x1
- Open Type AC Transformer Probe (5A) x1
- Gravity-3P Analog Sensor Cable x1

Gravity

More Gravity Projects

Gravity Projects