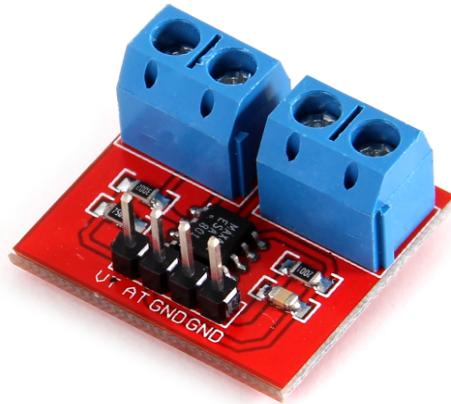


Arduino Voltage & Current Sensor Module



Description:

-The MAX471 chip on the board measures both current and voltage, thus making it ideal for a quick power measurement.

-The principle of voltage test is based on the principle of resistive voltage divider design, can make the red terminal connector input voltage to 5 times smaller.

-Arduino analog input voltages up to 5 v, the voltage detection module input voltage not greater than $5V \times 5 = 25V$ (if using 3.3V systems, input voltage not greater than $3.3V \times 5 = 16.5V$). Arduino AVR chips have 10-bit AD, so this module simulates a resolution of $0.00489V$ ($5V/1023$), so the minimum voltage of input voltage detection module is $0.00489V \times 5 = 0.02445V$.

Specifications:

- Test voltage range: DC3-25 V (Arduino working on 5V) or DC3-16.5 V (Arduino working on 3.3 V)
- Current test range: DC0-3A
- PCB Size: 22*24 mm

Pin-Outs:

GND: All of the grounds are connected to the same electrical point

VOUT: Connects the high side of your load

VIN: Connects to the Positive Pole of your voltage source (*This can be anywhere from 3 to 25 VDC*)

AT: Provides 0 to 5V signal that is scaled to 1 V per amp.

VT: Provides a 0 to 5V signal that is scaled to 1 volt for every 5 volts input

