Shenzhen Global Technology Co., Ltd

Voltage Sensor / Divider Board for ARDUINO developments

Model: Voltage Sensor / 170640

Description: This module is designed based on the principle of resistor divider to reduce the input voltage of the terminal interface by 5 times. The maximum input voltage of the Arduino is 5V. The input voltage of the voltage detection module cannot be greater than 5V × 5 = 25V (if 3.3V is used) System, the input voltage can not be greater than 3.3Vx5 = 16.5V). Because the AVR chip used by Arduino is 10-bit AD, the analog resolution of this module is 0.00489V (5V/1023), so the voltage detection module detects that the input minimum voltage is 0.00489V×5=0.02445V.
parameter:
Voltage input range max: DC0-25V
Voltage detection range: DC0.02445V - 25V
Voltage simulation resolution: 0.00489V
DC input interface: terminal positive terminal is connected to VCC, negative terminal is connected to GND
Output interface: "+" is connected to 5/3.3V, "-" is connected to GND, and "s" is connected to the A0 pin of Arduino.

Reference Code:

```
#include

int val11;
int val2;

void setup()
{
 pinMode(LED1,OUTPUT);
 Serial.begin(9600);
 Serial.println("Emartee.Com");
 Serial.println("Voltage: ");
 Serial.print("V");
}
void loop()
{
 float temp;
 val11=analogRead(0);
 temp=val11/4.092;
 val11=(int)temp;//
 val2=((val11%100)/10);
 Serial.println(val2);
 delay(1000);
}
```