Standard Voltage Sensor for Arduino Robot

Product Description

Voltage input range: DC0-25V
Voltage detection range: DC0.02445V-25V
Voltage simulation resolution: 0.00489V
DC input interface: the terminal is connected to the VCC, the negative then GND
Output interface: “+” then 5 / 3.3V, “-” then GND, “s” then Arduino the AD pin

Description:

Size: 25mm×13mm/0.98”×0.51”(approx)

This module is based on principle of resistive voltage divider design,

can make the red terminal connector input voltage to 5 times smaller. input voltages up to 5v,

the voltage detection module input voltage not greater than 5Vx5=25V

(if using 3.3V systems, input voltage not greater than 3.3Vx5=16.5V)

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 0.00489Vx5=0.02445V.

Voltage input range : DC0-25 V

Voltage detection range : DC0.02445 V-25 V

Voltage analog resolution : 0.00489 V

Output Interface : “+ ” connected 5/3.3V, “-” connected GND, “s” connected AD pins

DC input interface : red terminal positive with VCC, negative with GND

By 3P connector, connect this module with the expansion of board,

not only makes it easier for you to detect voltage battery,

can also use the IICLCD1602 LCD to display voltage.

PROGERM:

```
#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(1);
temp=val11/4.092;
val11=(int)temp;//
val2=((val11%100)/10);
Serial.println(val2);
delay(1000);
}
```