

# Spenningsensor



**Produktkode:** 414aa

**Tilgjengelighet:** Opp til 1 mnd leveringstid

**Lager :** C1

**Pris: kr. 55,00**

## Short Description

Voltage Sensor Module For Robot Arduino fresh H&P PLNIVVUS

## Beskrivelse

100% brand new and high quality

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. 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  $0.00489V \times 5 = 0.02445V$ .

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 Arduino AD pins

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

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

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

can also use the IIC LCD1602 LCD to display voltage.

## Reference Code?

```
#include
```

```
int val1;
```

```
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);
```

```
}
```

## Package Included:

2 x Standard Voltage Sensor Module For Robot Arduino

## Product Gallery

