

KE0067 KEYES HT10 temperature and humidity sensor module

Parameters:

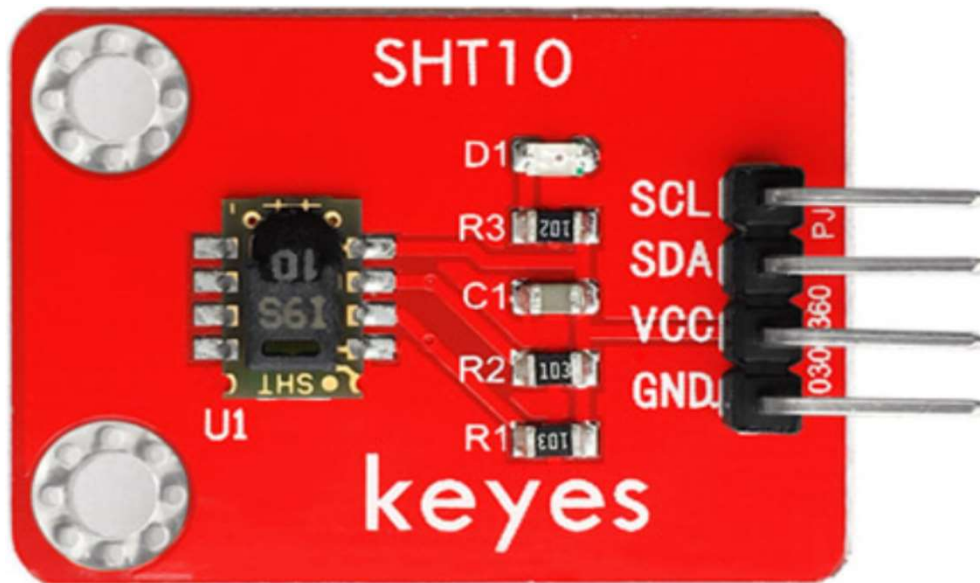
Working Voltage: 5VDC

Humidity Measurement Range : 0---100%RH: $\pm 4.5\%$

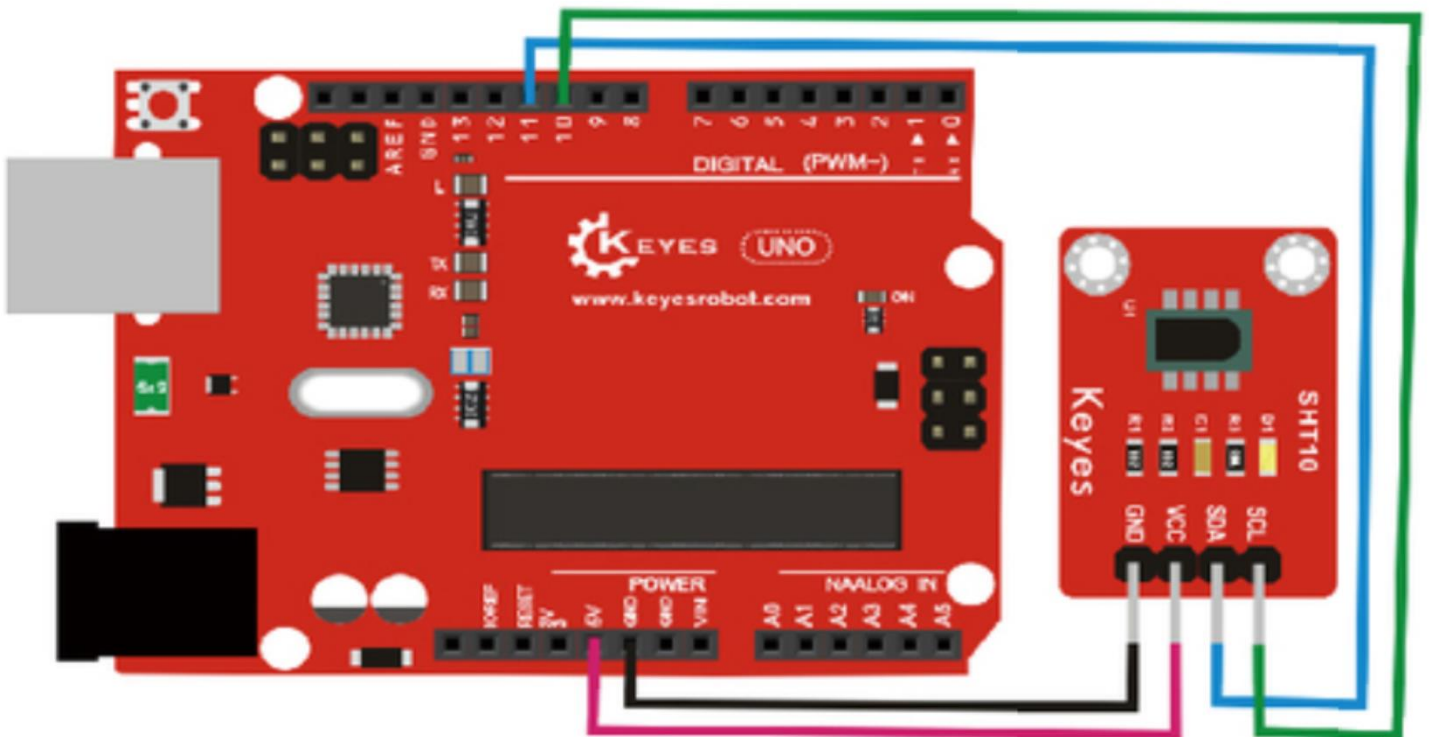
Temperature Measurement Range : -40 --- 123.8°C : $\pm 0.5^{\circ}\text{C}$

Colour: Red

Size: 35x22x7mm.



PINOUT Instruction:



Sample Code:

```
#include <SHT1x.h>
// define SHT1x connection pin
#define dataPin 11
#define clockPin 10
// Initialize sht1x object
SHT1x sht1x(dataPin, clockPin);

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  // declare three variables, representing temperature (Celsius), temperature (Fahrenheit) and humidity
  float temp_c, temp_f, humidity;

  // read SHT1x temperature and humidity value
  temp_c = sht1x.readTemperatureC();
  temp_f = sht1x.readTemperatureF();
  humidity = sht1x.readHumidity();

  // Output the temperature and humidity value to Serial Port
  Serial.print("Temperature: ");
  Serial.print(temp_c, 1); // Show one after the decimal point
  Serial.print("C / ");
  Serial.print(temp_f, 1); // Show one after the decimal point
  Serial.print("F. Humidity: ");
  Serial.print(humidity);
  Serial.println("%");
  delay(1000);
}
```

Result:

Wiring as the above diagram and burning the code, after powered-on, open the serial monitor, it will display the current test temperature and humidity, as the graph shown below.

