

User Manual

For

Humidity Sensor HR202(ME014)



Specification

Main chipset: LM393

Rated voltage: 1.5V Max. Sine wave rated power: 0.2mW

Max. Sine wave working frequency: 500Hz~2kHz

Using temperature: 0~60°C

Using humidity: Below 95% RH

Hysteresis: <=2% RH

Response time: <= 20s (Hygroscopic), <= 40s (Out of wetting)

Stability: <= 1% RH / year

Accuracy: <= 5% RH

Relative humidity: At 25°C 1kHz 1V

(Sine wave) humidity: 60%RH

Central value: 31kohm

Impedance range: 19.8~50.2kohm

With signal output indication

Single signal output

The output signal is low

To detect humidity output switch quantity in some occasion

No driver needed

Directly connected to microcontroller

Pinout

| Pin | Description |
|-----|----------------|
| Gnd | Ground |
| Vcc | Power 5V/DC |
| OUT | Signal out pin |

Example:

Wire connection as below:

Vcc-----5V
Gnd-----Gnd
OUT-----A5

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```
*****Code Begin*****  
void setup(){  
  Serial.begin(9600);  
}  
void loop(){  
  if(analogRead(5) < 300){  
    Serial.println("I am thirsty ,please give me water"); }  
  if(analogRead(5) > 300 && analogRead(5) < 700){  
    Serial.println("I feel so comfortable");  
  }  
  if(analogRead(5) > 700){  
    Serial.println("Too much water, I might get hurt");  
  }  
  delay(200);  
}  
*****Code Begin*****
```