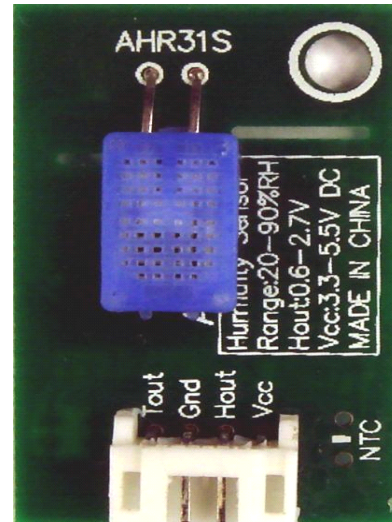


Voltage-output relative humidity and temp. sensor/module

Model: AHT11/AH11



With case



Without case

Resistive-type humidity and temperature sensor/module

1. Feature & Application:

- Full range temperature compensated!
- Good price, Fast delivery!
- 0.6-2.7V DC output !
- Humidity Accuracy $\pm 5.0\%RH$!
- Range 20 to 90% RH !
- Light weight, easy installation!

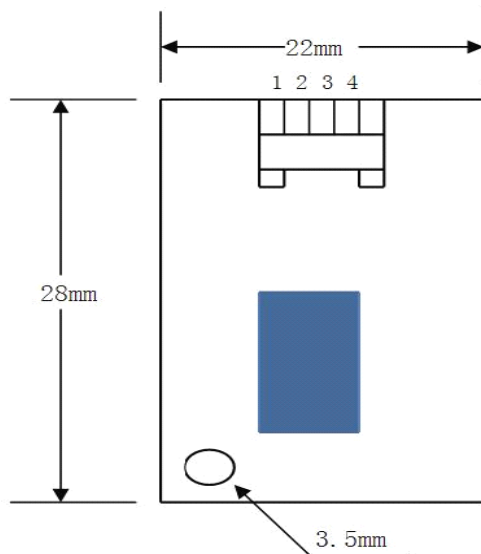
The outstanding accuracy over the entire range is based on very precise calibration methods and on the latest microprocessor technology. Well-proven Aosong resistive-element humidity sensor ensure excellent long-term stability.

Model: AHT11 can detect relative humidity and temperature, Model AH11 can only detect relative humidity.

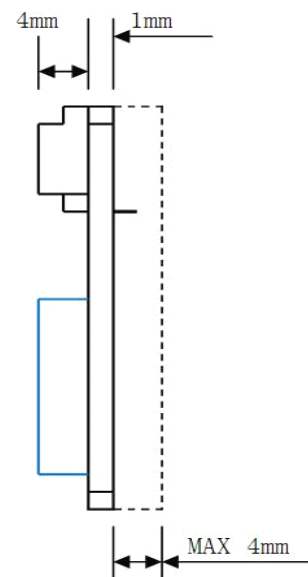
2. Technical Specification:

Model	AHT11/AH11	
Power supply	4-5.5V DC	
Output signal	0.6- 2.7V DC voltage for RH, 0-0.6V DC for temperature	
Sensing element	Polymer resistor	
Operating range	humidity 20-90%RH;	temperature 0~60Celsius
Accuracy	humidity +-5%RH(Max +-5%RH);	temperature +-1Celsius
Resolution or sensitivity	humidity 1%RH;	temperature 1Celsius
Repeatability	humidity +-2%RH;	temperature +-1Celsius
Humidity hysteresis	+-1%RH	
Long-term Stability	+-1%RH/year	
Response time	10s(average)	
Interchangeability	fully interchangeable	
Dimensions	size 22*28*5mm	

3. Dimensions: (unit---mm)



Front view



Side elevation

4. Electrical connection diagram:

No. Of electrical joint	Explanation
1	Power 4-5.5V DC
2	Output of RH 0.6-2.7V DC
3	Gnd
4	Output of temp. 0-0.6V DC

Diagram 1

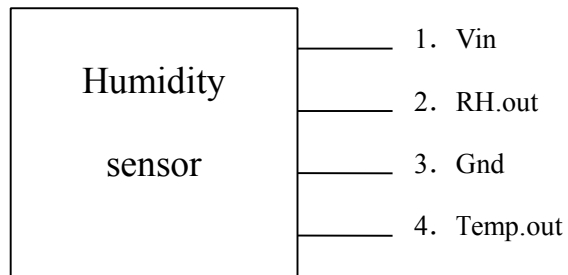


Diagram 2

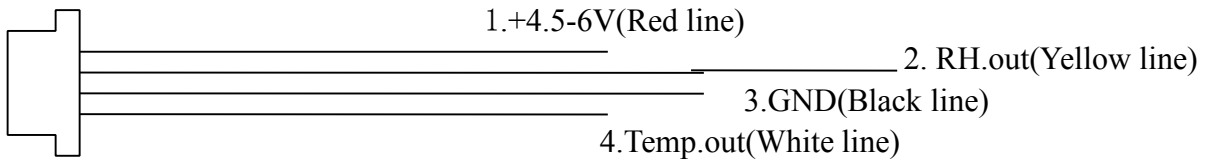
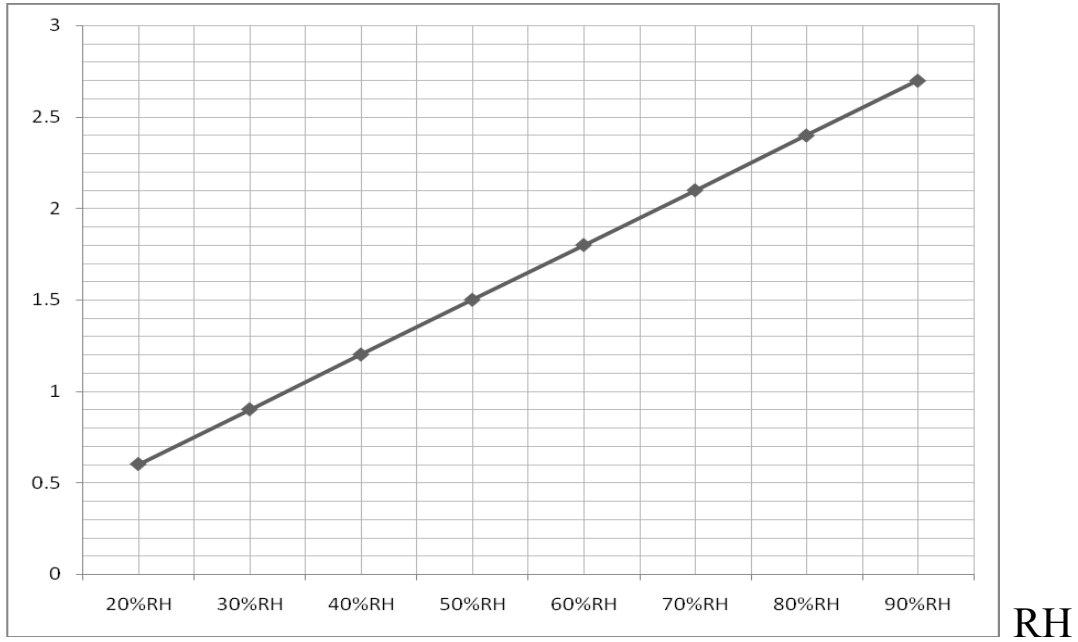


Diagram 3

5. Typical performance diagram:

Voltage



Voltage

