

# DHT22

DHT22 output calibrated digital signal. It utilizes exclusive digital-signal-collecting-technique and humidity sensing technology, assuring its reliability and stability. Its sensing elements are connected with 8-bit single-chip computer. Every sensor of this model is temperature compensated and calibrated in accurate calibration chamber and the calibration-coefficient is saved in type of programme in OTP memory, when the sensor is detecting, it will cite coefficient from memory. Small size & low consumption & long transmission distance(20m) enable DHT22 to be suited in all kinds of harsh application occasions. Single-row packaged with four pins, making the connection very convenient.

Model-DHT22

Power supply: 3.3-6V DC

Output signal digital signal via single-bus

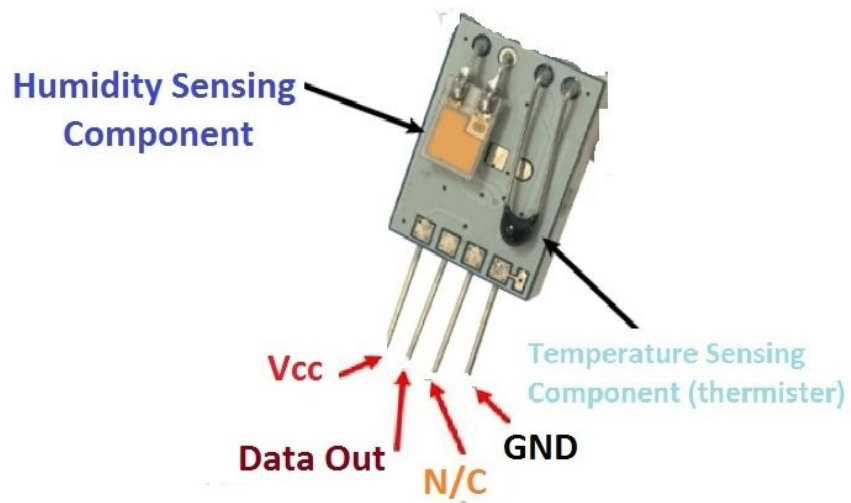
Sensing element Polymer capacitor

Pin sequence number: 1 2 3 4 (from left to right direction). Pin Function 1 VDD----power supply 2 DATA--signal 3 NULL 4 GND

Applications of DHT Sensor

1. DHT sensors can be used as compensators with ultrasonic sensors to determine the distance more precisely.
2. DHT sensor is used in various applications such as measuring humidity and temperature values in heating, ventilation and air conditioning (HVAC) systems.
3. This sensor can be used in warehouse as level of humidity in air affects various physical, chemical and biological processes.
4. Weather stations also use these sensors to predict weather conditions.

## DHT22 PINOUT



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