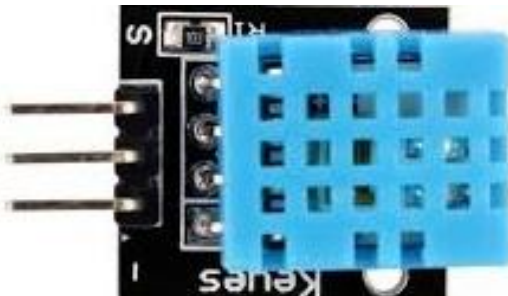


DHT11 Temperature and Humidity Sensor



DHT11 digital temperature and humidity sensor is a composite sensor contains a calibrated digital signal output of the temperature and humidity. It uses a capacitive humidity sensor and a thermistor to measure the surrounding air, and spits out a digital signal on the data pin (no analog input pins needed). The sensor includes a resistive sense of wet components and NTC temperature measurement devices, and connected with a high-performance 8-bit microcontroller. Each DHT11 element is strictly calibrated in the laboratory that is extremely accurate on humidity calibration.

SPECIFICATIONS:

- Humidity measurement range: 20%~90%RH
- Humidity measurement error: $\pm 5\%$ RH
- Temperature measurement range: 0~60°C
- Temperature measurement error: $\pm 2^\circ\text{C}$
- Working voltage: 5 V
- Size: 28x12x8mm

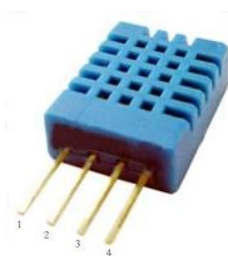
APPLICATION:

- HVAC
- Dehumidifier
- Testing and inspection equipment
- Consumer goods
- Automotive
- Automatic control
- Data loggers
- Weather stations
- Home appliances
- Humidity regulator
- Medical and other
- Humidity measurement and control.

FEATURES:

- Low cost
- Long-term stability
- Relative humidity and temperature measurement
- Excellent quality
- Fast response
- Strong anti-interference ability
- Long distance signal transmission
- Digital signal output
- Precise calibration

PIN-OUTS:



Pin	Name	Description
1	VDD	Power supply 3 - 5.5 V DC
2	DATA	Serial data output
3	NC	Not connected
4	GND	Ground

DIMENSIONS (MM):

