



Part Number: DFR0067

Description: Gravity: DHT11 Temperature Humidity Sensor For Arduino

INTRODUCTION

DF Robot's latest generation of digital DHT11 Temperature and Humidity sensor is as powerful as it used to be but easier to use. This DHT11 [Arduino temperature and humidity sensor](#) has a full range temperature compensation, low power consumption, long term stability and calibrated digital signal. A high-performance 8-bit microcontroller is integrated in the sensor with calibration-coefficient saved in OTP memory to provide accurate temperature readings.



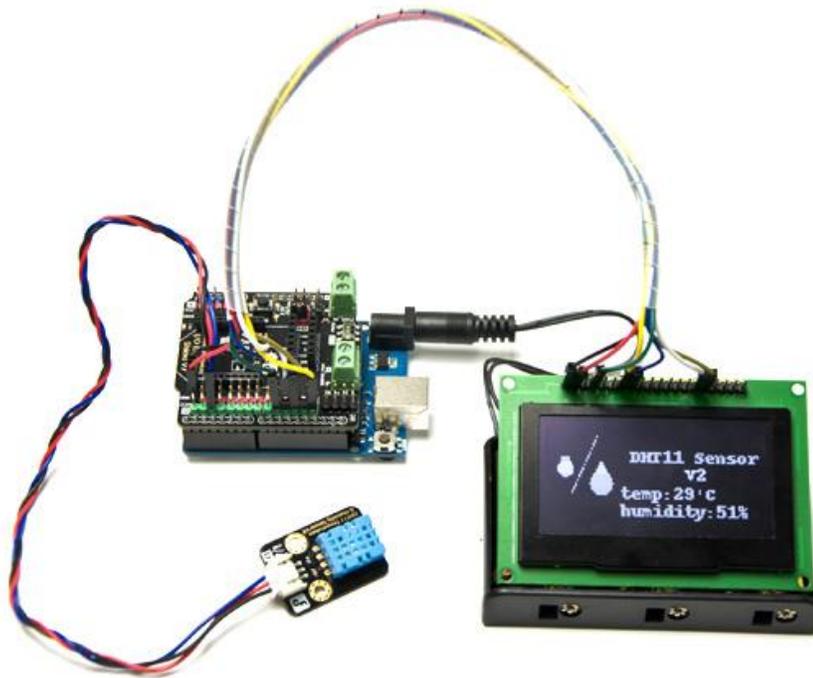
To ease the difficulty, a [Gravity](#) Interface is adapted to allow plug & play. The [Arduino IO expansion shield](#) is the best match to connect with your [Arduino](#). As this sensor can work at 3.3V which make it compatible with [Raspberry Pi](#), [intel edison](#), [joule](#) and [curie](#).

Temperature Sensor Tutorial: [Type Selection of Temperature Sensors](#)

Is it difficult for you to choose a temperature sensor from the maker market that is full of different kinds? Therefore, we have prepared a guide of temperature sensors that compatible with Arduino for your reference.

- [Gravity: i2C BMP280 Barometer Sensor](#)
- [Gravity: Analog LM35 Temperature Sensor For Arduino](#)
- [Waterproof DS18B20 Sensor Kit](#)

- Gravity: DS18B20 Temperature Sensor (Arduino Compatible)
- Gravity: Non-contact IR Temperature Sensor for Arduino
- Infrared Thermometer Module
- Gravity: SHT1x Humidity and Temperature Sensor
- Gravity: DHT11 Temperature Humidity Sensor for Arduino
- DHT22 Temperature and Humidity Sensor



FEATURES

- Standard assembling struct (two 3mm holes with multiple of 5cm as interval).
- User-friendly interfaces ("A" for analog and "D" for digital).
- Icons to simply illustrate sensor function.
- High quality connector.
- Immersion gold surface.

SPECIFICATION

- Wider voltage range: 3.3V to 5V
- Temperature range :0-50 °C error of ± 2 °C
- Humidity :20-90% RH ± 5 % RH error
- Interface: Digital

SHIPPING LIST

- DHT11 Temperature and Humidity Sensor x1