

LEARN

The Humidity Sensor is an Arduino-compatible sensor board that carries an SHT21 digital humidity and temperature sensor from Sensirion. It has a 4-pin interface that can communicate directly with the analog pins on the Arduino.

The SHT21 utilizes a capacitive sensor element to measure humidity, while the temperature is measured by a band gap sensor. Both sensors are seamlessly coupled to a 14-bit ADC, which then transmits digital data to the Arduino over the I2C protocol.

CONNECT

Sensor		Arduino
SCL	→	Analog 5
SDA	→	Analog 4
Vin	→	Analog 3
GND	→	Analog 2

CODE

```
#include <Wire.h>
#include <LibHumidity.h>
int H;
int T;

LibHumidity humidity = LibHumidity(0);

void setup() {
  Serial.begin(9600);
}

void loop() {
  H = (int)humidity.GetHumidity();
  T = (int)humidity.GetTemperature();
  Serial.print("Humidity:");
  Serial.print(h);
  Serial.print(" Temp:");
  Serial.println(t);
}
```

SENSOR CHEAT SHEET