



## Weather Station (Desk Mount)



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### Summary

DIY Weather Station Project With Raspberry Pi 4 Model B

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Tags: [station](#) [sensor](#) [temperature](#) [humidity](#) [raspberrypi](#)  
[lcd](#) [weather](#)

I made this model because I just recently started 3D Printing and wanted a simple way to monitor the temperature and humidity in my room.

What you'll need:

- A Raspberry Pi. (I used a Raspberry Pi 4 Model B however any similar single-board computer with GPIO functionality will do.)
- I2C 1602 LCD Display Module. (This is a 16x2 character LCD used to show values recorded from the sensor.)
- DHT 11 Temperature/Humidity Sensor. (This is the sensor used to gather temperature and humidity data.)
- 30AWG Wire-Wrapping Wire and a Wire-Wrapping Tool (This is preferred, however, you could use male/female jumper wires.)
- M2.5 x 10 Screws and Nuts. (I used nylon screws which set into the PLA nicely.)
- Double-Sided Mounting Tape. (Place tape on the flat upper region to

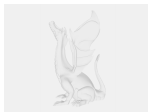
mount under a surface)

- A 3D Printer to print Weather Station.

## Model files



**weatherstationv201.stl**



**weatherstationv201.stp**

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