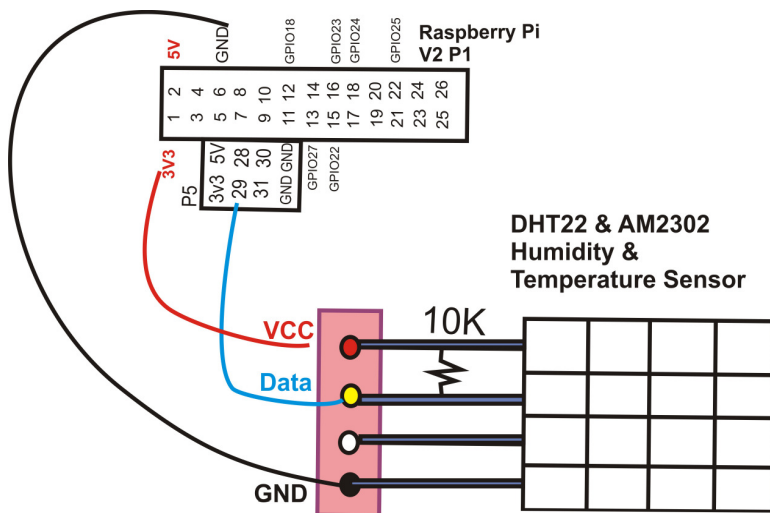
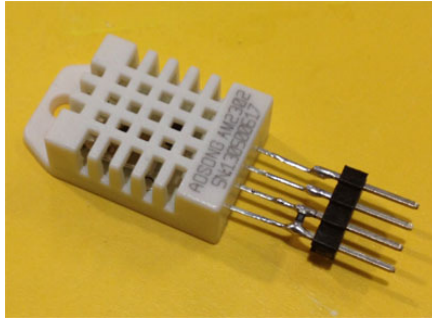
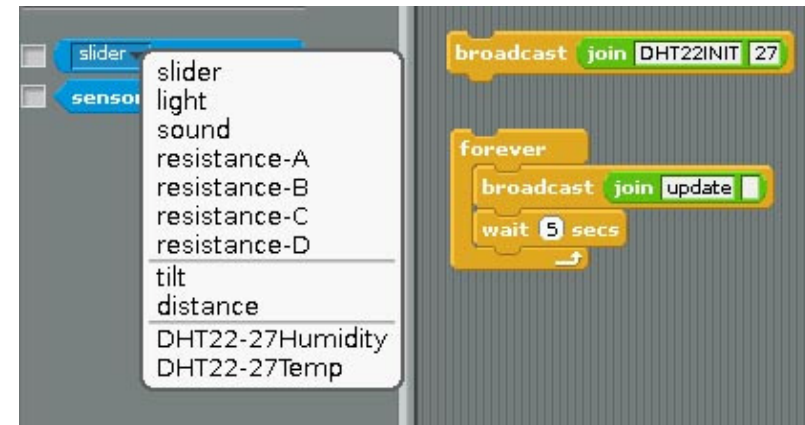


DHT22/AM2302 Digital Temperature & Humidity Sensor



Type: AM2302 /DHT22
 Voltage range: 3.5V-6V DC Humidity range: 0%-100%RH
 Temperature range: -40°C to 80°C
 Humidity accuracy: ±2RH% Temperature accuracy: ±0.5°C
 Size: 3*1.3*0.6 cm

Pi_Scratch interface software download from our web site
<http://www.pridopia.co.uk/rs-pi-set-scratch.html>



1. broadcast "DHT22INIT" + "27" GPIO number
2. in Sensing --> Slider , you will see the "DHT22-27Humidity" & "DHT22-27Temp" in the list



```
192.168.0.18 - PuTTY
root@raspberrypi:~/home/pi/DHT2302# sudo python dht22.py 4
[27.1 C,46.4 %]
root@raspberrypi:~/home/pi/DHT2302# sudo python dht22.py 4
[27.6 C,34.5 %]
root@raspberrypi:~/home/pi/DHT2302# sudo python dht22.py 4
[28.4 C,84.3 %]
root@raspberrypi:~/home/pi/DHT2302# sudo python dht22.py 4
[29.5 C,86.1 %]
root@raspberrypi:~/home/pi/DHT2302# sudo python dht22.py 4
[30.6 C,32.5 %]
root@raspberrypi:~/home/pi/DHT2302#
```

DHT22 python program

"sudo python dht22.py 4 " 4 is GPIO number (P1 pin7 GPIO 4) you can use other GPIO pin number

Download GPIO library

<https://pypi.python.org/pypi/RPi.GPIO> GPIO library

GPIO library - RPi.GPIO-0.5.3a.tar.gz

Install python , library and run the test program

```
# sudo apt-get install python-dev
# wget http://www.pridopia.co.uk/pi-pgm/RPi.GPIO-0.5.3a.tar.gz
# gunzip RPi.GPIO-0.5.3a.tar.gz
# tar -xvf RPi.GPIO-0.5.3a.tar
# cd RPi.GPIO-0.5.3a
# sudo python setup.py install
```

Demo program download from our web site

<http://www.pridopia.co.uk/pi-dht22-temp.html>

Package Content

1x DHT22 /AM2302 sensor module
3x 20cm male to male cable
1x manual