

Program no ____11____

Program Title ____GAS SENSOR____

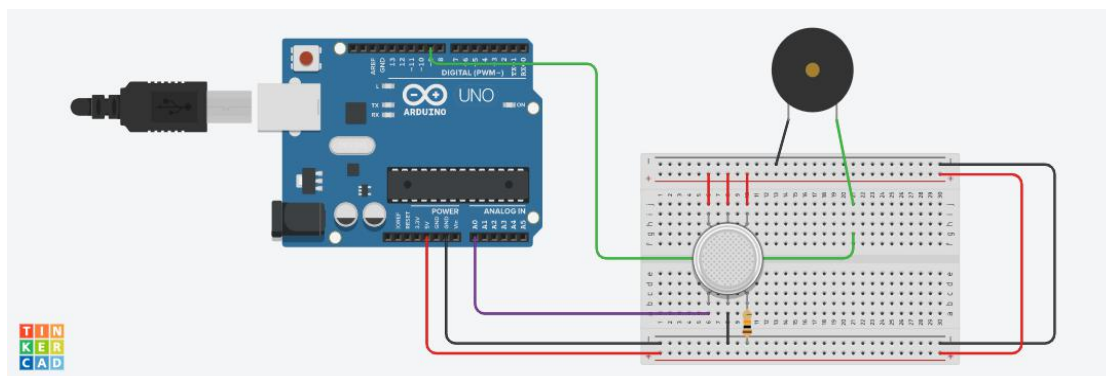
Aim:

To detect the presence of GAS.

Hardware Required

- Arduino Board
- Gas sensor
- Resistor
- Buzzer

Circuit Diagram:



tin
ker
CAD

Gas Sensor - Buzzer

All changes saved

Simulator time: 00:00:10.131

Code Stop Simulation Export Share

1 (Arduino Uno R3)

Text

```
1 int val = A0;
2
3
4 void setup()
5 {
6   pinMode (9,OUTPUT);
7   pinMode (A0,INPUT);
8   Serial.begin(9600);
9 }
10
11 void loop()
12 {
13   val = analogRead (A0);
14   if (val <500 )
15   {digitalWrite (9, LOW);}
16   else
17   {digitalWrite(9, HIGH);}
18 }
```

Serial Monitor

Type here to search

11:48
16-10-2020

Code:

papergrid

Date: / /

Name: K. Avashya

VSN: IBM17CS034

Experiment II: Gas Sensor

```
int val = A0;
void setup ()
{
  pinMode (9, OUTPUT);
  pinMode (A0, ININPUT);
  Serial.begin (9600);
}
void loop ()
{
  val = analogRead (A0);
  if (val < 500)
  {
    digitalWrite (9, LOW);
  }
  else {
    digitalWrite (9, HIGH);
  }
}
```

Observation /Output:

Gas will be detected.

