

```
int led1 = 11; //pin for blue led
int led2 = 5; //pin for yellow led
const int analogInPin = A1; // Analog input pin that the potentiometer is attached to
const int gassensor = 13; // LED connected to digital pin 13

int sensorValue = 0; // value read from the sensor

void setup(){
  pinMode(led1, OUTPUT);
  pinMode(led2, OUTPUT);
  Serial.begin(9600); // initialize serial communications at 9600
  pinMode(gassensor, OUTPUT); // sets the gassensor as output
}

}

void loop() {
  // read the analog in value:
  sensorValue = analogRead(analogInPin);
  // determine alarm status
  if (sensorValue >= 400)
  {
    digitalWrite(gassensor, HIGH); // sets the LED on
  }
  else
  {
    digitalWrite(gassensor, LOW); // sets the LED off
  }
}
```

```
// print the results to the serial monitor:
Serial.print("sensor = " );
Serial.println(sensorValue);
delay(10);

digitalWrite(led1, HIGH); //turn blue LED on
delay (300);
digitalWrite(led1, LOW); //turn off blue LED on
delay (300);
digitalWrite(led2, HIGH); //turn yellow LED on
delay (300);
digitalWrite(led2, LOW); //turn off blue LED on
delay (300);
}
```