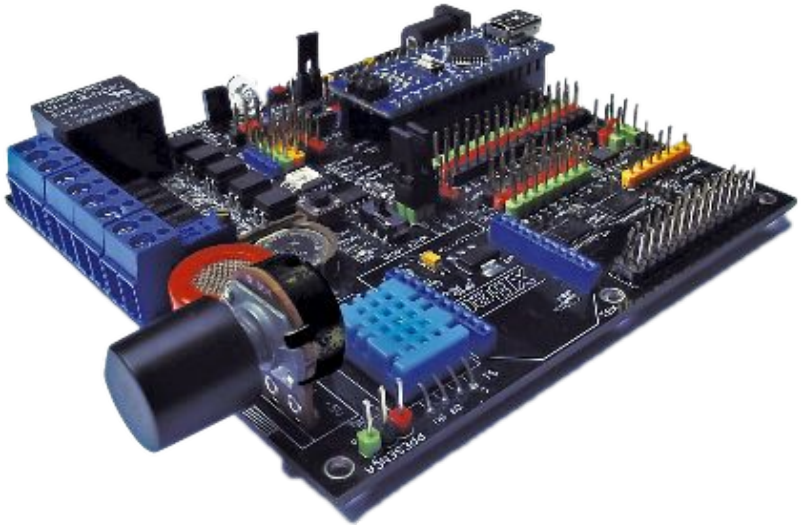

Globalcode

Using the alcohol sensor

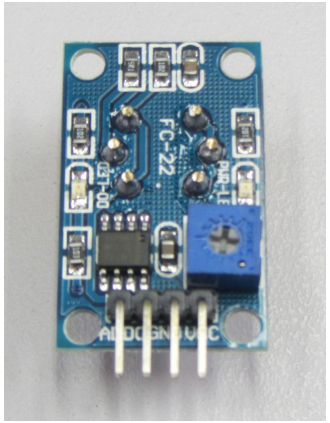


Files for this class

https://portalaluno.toolscloud.net/redmine/projects/iotsurfboard/files

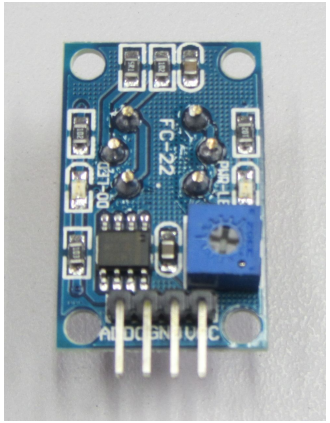
- ☐ Presentation: IoT_Surfing_Class_7_en.pdf

The Alcohol sensor



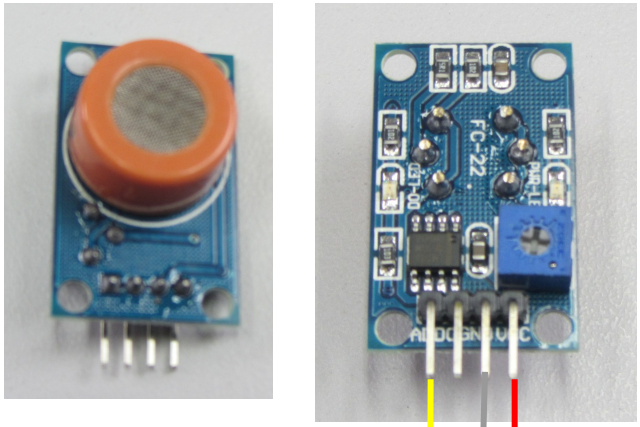
- High energy consumption!
- Might heat the voltage regulator
- Avoid the intensive usage when running on batteries
- You can turn it on and off using the relay

The alcohol sensor



- Analog sensor
- Uses 3 wires to connect:
  - GND
  - VCC
  - Signal
- It can take a while to start giving precise results

Connecting the alcohol sensor



IoT surfboard API for arduino + Alcohol Sensor

```
int sensorValue = board.alcohol();
if(sensorValue>400) {
   board.red(255);
   board.green(0);
} else {
   board.red(0);
   board.green(255);
}
```

LIVE DEMO

Summary

- Alcohol sensor is analog and has 3 connecting wires
- high energy consumption and Might heat the voltage regulator
- easy to use
- It can take a while to start giving precise results

If you drink don't drive,

use your surfboard!