

# DFRobot Gravity Alcohol Sensor

Arduino compatible alcohol sensor module with a 0 to 5ppm measuring range

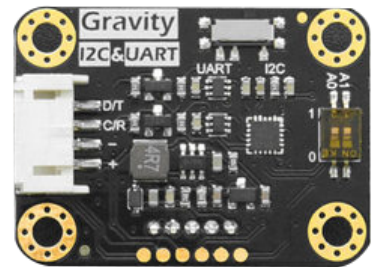
## Product Overview

06/27/2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

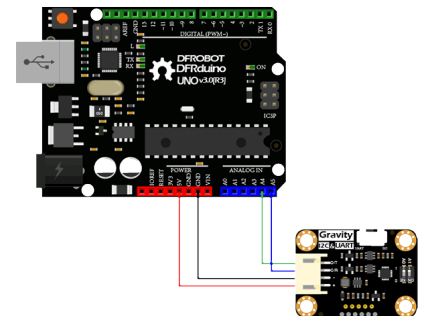
## Description

DFRobot Gravity Alcohol Sensor is an Arduino compatible alcohol sensor module with a 0 to 5ppm measuring range. The sensor supports I<sup>2</sup>C and UART outputs. It features fast and accurate detection of alcohol gas concentration in the air. The module supports 0.01ppm (10ppb) resolution and 3.3 to 5.5V wide-range voltage input. The sensor is ideal for alcohol concentration measurement in a breathalyzer, smart vehicle, and more.



## Features

- Alcohol detected gas
- Benzene (C<sub>6</sub>H<sub>6</sub>), toluene (C<sub>7</sub>H<sub>8</sub>), acetic acid (CH<sub>3</sub>COOH), hydrogen sulfide (H<sub>2</sub>S), carbon monoxide (CO) interfering gas
- 3.3 to 5.5V DC operating voltage
- 0.05W (5V) power
- I<sup>2</sup>C, UART (0 to 3V) signal output
- 0 to 5ppm measuring range
- 27mm × 37mm/1.06" × 1.46" board dimensions
- 0 to 25°C storage temperature
- 15 to 90%RH (No condense) operating humidity



## Specifications

- ≤0.01ppm (10ppb) resolution
- ≤3min preheat time
- ≤60s response time
- ≤60s recover time
- -20 to 50°C operating temperature
- >2 years (In the air) service life

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-gravity-alcohol-sensor/>