



Part Number: DFR0076

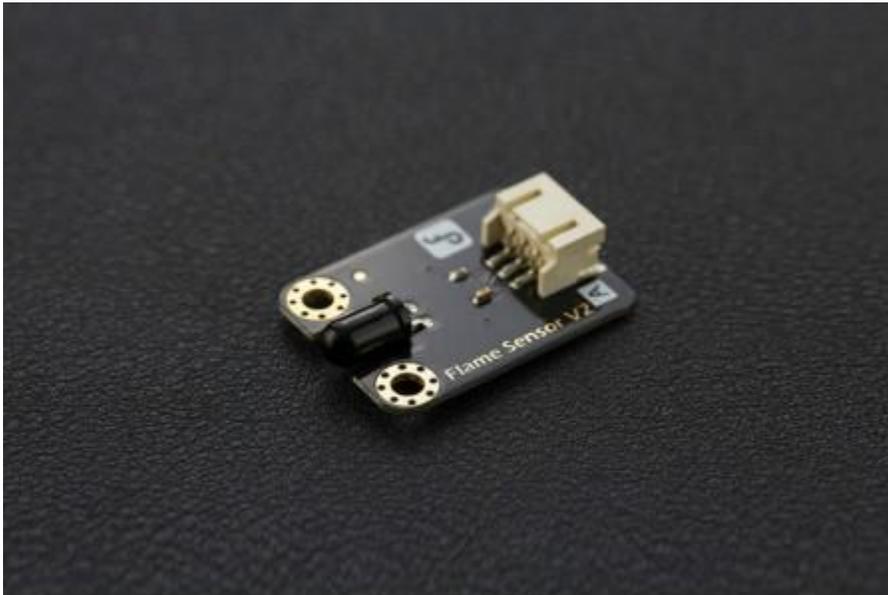
Description: Gravity: Analog Flame Sensor For Arduino

INTRODUCTION

This Arduino flame sensor can be used to detect fire or other wavelength at 760 nm ~ 1100 nm light. In the fire-fighting robot game, the flame plays an important role in the probe, which can be used as the robot's eyes to find fire source or football. It can make use of fire-fighting robots, soccer robots.

The Flame sensor has probe angle of 60 degrees, two M3 mounting holes is provided to install on various platforms.

This arduino flame sensor's operating temperature is -25 degrees Celsius to 85 degrees Celsius, in the course of the flame it should be noted that the probe distance from the flame should not be too close in order to avoid damage.

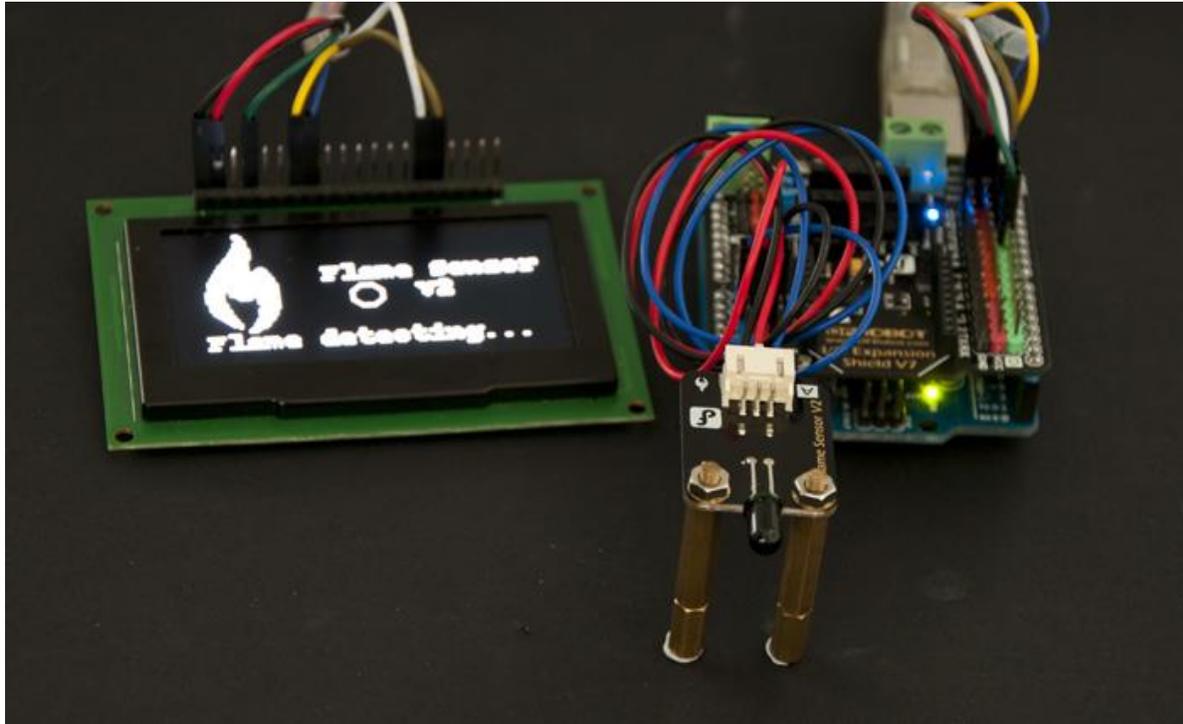


This sensor uses [Gravity](#) interface, and works from 3.3V-5V which is able to be compatible with various platforms such as [Arduino](#), [Raspberry Pi](#), [Intel Galileo](#), [Curie and Joule](#).

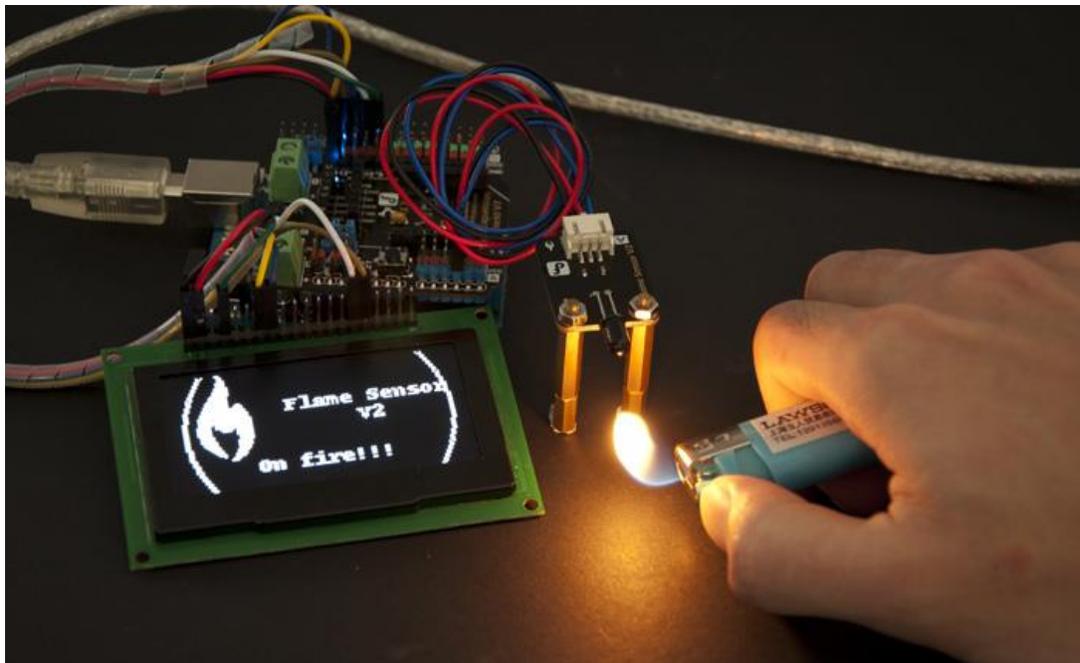
Improvement

- Wide voltage range from 3.3V to 5V
- Standard assembling structure (two 3mm holes with multiple of 5cm as interval)

- Easily recognizable interfaces of sensors ("A" for analog and "D" for digital)
- Icons to simply illustrate sensor function
- High quality connector
- Immersion gold surface



This sensor can sense flame sensitively!!



SPECIFICATION

- Supply Voltage: 3.3V to 5V
- Detection range: 20cm (4.8V) ~ 100cm (1V)
- Rang of Spectral Bandwidth : 760nm to 1100nm
- Responsive time : 15us
- Interface: Analog
- Size:22x30mm (0.87x1.18in)

SHIPPING LIST

- Flame Sensor x1
- Analog cable x1