



## Ks0068 keyestudio 37 in 1 Sensor Kit for Arduino Starters

### Introduction:

This is keyestudio sensor learning kit. We bring together 37 basic sensors and modules, aiming for the convenient learning for starters. Inside this box, there are digital and analog sensors and also some special modules such as ultrasonic, Bluetooth, acceleration module, etc.

For each module, there is clear connection diagram and sample code. So even if you are totally new at this, you can get started easily. The sample codes for this sensor kit are based on ARDUINO because it's open source and easy to use. If you are good at this, you can also apply this kit to other MCU development platforms, such as 51, STM32, Raspberries Pi. The working principle is pretty much the same.

Now, let us embrace this fascinating world of ARDUINO and learn together!

### Project List:

- Project 1: White LED Light
- Project 2: Red LED Light
- Project 3: 3W LED Module
- Project 4: RGB LED
- Project 5: Analog Temperature
- Project 6: Photocell Sensor
- Project 7: Analog Sound
- Project 8: Analog Rotation Sensor
- Project 9: Passive Buzzer
- Project 10: Digital Buzzer
- Project 11: Digital Push Button
- Project 12: Digital Tilt Sensor
- Project 13: Photo Interrupter
- Project 14: Capacitive Touch
- Project 15: Knock Module
- Project 16: Hall Magnetic Sensor
- Project 17: Line Tracking Sensor
- Project 18: Infrared Obstacle Avoidance
- Project 19: PIR Motion Sensor
- Project 20: Flame Sensor
- Project 21: Vibration Sensor
- Project 22: Analog Gas Sensor
- Project 23: Analog Alcohol Sensor
- Project 24: Digital IR Transmitter
- Project 25: Digital IR Receiver
- Project 26: Rotary Encoder
- Project 27: LM35 Linear Temperature
- Project 28: 18B20 Temperature Sensor
- Project 29: ADXL345 Three Axis Acceleration
- Project 30: DHT11 Temperature and Humidity Sensor
- Project 31: Bluetooth Module
- Project 32: TEMT6000 Ambient Light
- Project 33: SR01 Ultrasonic Sensor
- Project 34: Joystick Module
- Project 35: DS3231 Clock Module
- Project 36: 5V Relay Module
- Project 37: Vapor Sensor

### Resources:

[https://wiki.keyestudio.com/Ks0068\\_keyestudio\\_37\\_in\\_1\\_Sensor\\_Kit\\_for\\_Arduino\\_Starters](https://wiki.keyestudio.com/Ks0068_keyestudio_37_in_1_Sensor_Kit_for_Arduino_Starters)