



## Ks0083 keyestudio New sensor kit with Uno

### Introduction:

This is an Arduino sensor learning kit developed by Keyes. We bring together 30 basic sensors and modules, aiming for the convenience of its learning for starters. Inside this box, there are digital and analog sensors and also some special modules such as buzzer, ultrasonic, acceleration modules 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. And if you are good at this, you can also apply this kit to other MCU development platform, 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: Piranha LED Module
- Project 2: Digital white LED module
- Project 3: Passive Buzzer module
- Project 4: Hall Magnetic Sensor
- Project 5: LM35 Linear Temperature Sensor
- Project 6: 18B20 Temperature Sensor
- Project 7: Digital Tilt Sensor
- Project 8: Photocell sensor
- Project 9: Digital Push Button
- Project 10: Capacitive Touch Sensor
- Project 11: DHT11 Temperature and Humidity Sensor
- Project 12: Analog Sound Sensor
- Project 13: Flame Sensor
- Project 14: DS3231 Clock Module
- Project 15: Analog Gas Sensor
- Project 16: Analog Alcohol Sensor
- Project 17: keyestudio Water Sensor
- Project 18: Soil Humidity Sensor
- Project 19: Infrared Obstacle Avoidance Sensor
- Project 20: PIR Motion Sensor
- Project 21: Joystick Module
- Project 22: Photo interrupter module
- Project 23: 5V Relay Module
- Project 24: ADXL345 Three Axis Acceleration Module
- Project 25: Rotary Encoder module
- Project 26: Analog Rotation Sensor
- Project 27: HC-SR04 Ultrasonic Sensor
- Project 28: Pulse Rate Monitor
- Project 29: Reed Switch Module
- Project 30: TEMT6000 ambient light sensor

### Resources:

[https://wiki.keyestudio.com/Ks0083\\_keyestudio\\_New\\_sensor\\_kit\\_with\\_Uno](https://wiki.keyestudio.com/Ks0083_keyestudio_New_sensor_kit_with_Uno)