Ks0399(400, 401) keyestudio 37 in 1 Sensor V2.0 Kit for Arduino

Introduction:

This is an Arduino 37 in 1 sensor learning kit developed by Keyestudio. You will have a set of Arduino's most common and useful electronic sensors and modules.

Inside this box, there are digital and analog sensors, and also some special modules such as ultrasonic, Joystick, relay, 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.

You may learn about Arduino from basic projects to more complex projects. Now, let us embrace this fascinating world of ARDUINO and learn together!

Note: KS0399 kit with no board; KS0400 kit with REV4; KS0401 kit with 2560 MEGA R3

Project List:

Project 1: LED Flash
Project 2: RGB LED
Project 3: Traffic Light
Project 4: Push Button
Project 5: Passive Buzzer
Project 6: Capacitive Touch
Project 7: Crash Sensor
Project 8: Knock Sensor
Project 9: Photo Interrupter
Project 10: Digital Tilt Sensor
Project 11: PIR Motion Sensing
Project 12: Reed Switch
Project 13: Hall Magnetic Sensor
Project 14: Line Tracking
Project 15: Flame Sensor
Project 16: Infrared Obstacle Avoidance
Project 17 : Photocell sensor
Project 18: Analog Sound Sensor
Project 19: Rotary Encoder

Project 20: Analog Gas Sensor
Project 21: Steam Moisture
Project 22: TEMT6000 Ambient Light
Project 23: LM35 Linear Temperature
Project 24: DHT11 Temperature and Humidity
Project 25: Magical Light Cup
Project 26: Digital IR Transmitter
Infrared Remote/Communication
Project 27: Digital IR Receiver
Project 28: Analog Ceramic Vibration
Project 29: Ultraviolet Light
Project 30: Triaxial Digital Acceleration Detection
Project 31: Attitude Sensor
Project 32: Optical Proximity Detection
Project 33: Potentiometer
Project 34: HC-SR04 Ultrasonic Sensor
Project 35: Joystick Module
Project 36: DS3231 Clock Module
Project 37: Relay Module

Resources:

https://wiki.keyestudio.com/Ks0399(400,_401)_keyestudio_37_in_1_Sensor_V2.0_Kit_for_Arduino