



Ks0190 keyestudio Environment Monitoring Kit

Introduction:

keyestudio Environment Monitoring Kit, the latest environmental study kit, greatly lowers the difficulty in program learning for enthusiasts. All computer language and professional grammars of a program can be simplified into blocks. Compiling is as easy as block building. Interactive with Arduino development board, they can achieve exciting works. The open source feature of Arduino makes it extremely popular. You can find a many learning communities on the Internet. Ardublock is a programming environment, just like blocks building, which greatly lowers the learning difficulty for starters. As long as you love it, everyone can play with Arduino without professional knowledge or relevant background. As for parents who stress on the education of next generation, this will be one of your best way to interact with your children.

Project List:

- Project 1: Hello World!
- Project 2: LED Blinking
- Project 3: PWM Light Control
- Project 4: Traffic Light
- Project 5: LED Chasing Effect
- Project 6: Button-controlled LED
- Project 7: Responder
- Project 8: Active Buzzer
- Project 9: Passive Buzzer
- Project 10: RGB LED
- Project 11: Analog Value Reading
- Project 12: 74HC595
- Project 13: 1-digit LED Segment Display
- Project 14: 4-digit LED Segment Display
- Project 15: 8*8 LED Dot Matrix

Projects of Modules:

- Project 1 LED Blinking
- Project 2 Active Buzzer Module
- Project 3 Soil Module
- Project 4 Steam Sensor
- Project 5 MQ 135 Gas Sensor
- Project 6 PIR Motion Sensor
- Project 7 GUVA-S12SD 3528 Ultraviolet Sensor
- Project 8 TEMENT6000 Ambient Light Sensor
- Project 9 DHT11 Temperature and Humidity Sensor
- Project 10 GP2Y10 Dust Sensor
- Project 11 I2C1602 Liquid Crystal Display Module
- Project 12 Ambient Light Sensor to Control Brightness of LED
- Project 13 Ultraviolet Sensor to Alarm
- Project 14 Displaying Temperature and Humidity on LCD

Resources:

https://wiki.keyestudio.com/Ks0190_keyestudio_Environment_Monitoring_Kit