seeed studio

Part Number: 103030375

Overview:

The Arduino Sensor Kit is a joint electronics starter kit from Seeed and Arduino. It integrates 10 commonly used electronics modules on one PCB, so no breadboard, no soldering, and even no wiring are required. The Arduino content team has also prepared a step-by-step tutorial for this kit. All these features make it an ideal Arduino starter kit for Steam education and online teaching.
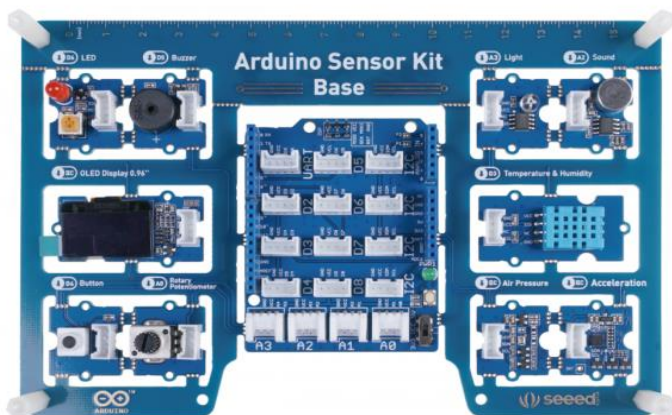
Product Details:

Features:

- Co-produced by Arduino and Seeed
- Plug & play addition to the Arduino Uno
- 10 most commonly used electronics modules
- All modules are pre-wired on the PCB, no wiring required
- High-quality online lessons provided by Arduino
- Perfect for Steam Education and Online Education.

Description: Arduino Sensor Kit – Base

To get started with a new thing is always difficult, and we've been thinking about how to make learning electronics and sensing the world around you easier than ever. We are proud to announce the release of the **Arduino Sensor Kit - Base**, a joint production between Arduino and Seeed. The Arduino Sensor Kit is a plug & play addition to the Arduino Uno to get you started with electronics and programming. It integrates 10 Grove modules on a single PCB, including 5 sensors, an OLED display, and actuators. Best of all, those modules are pre-wired, so no breadboard, no welding, and even no wiring! Proving that hardware doesn't need to be hard.
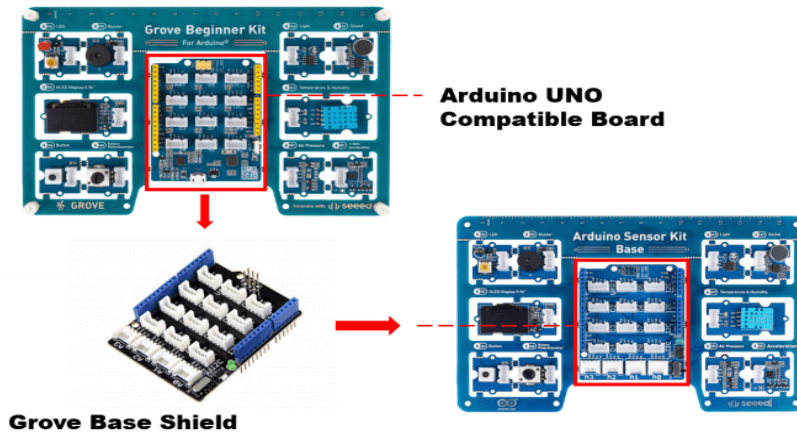
Before getting started with the Arduino Sensor Kit, you need to have an [Arduino UNO board](#) at your side. Just plug the Arduino Sensor Kit into the Arduino UNO board, then you're ready to go enjoy coding!

10 Lessons provided by Arduino Official:

To make it even easier there are step-by-step tutorials created by official Arduino. Arduino provides the Arduino Sensor Kit with an online platform with ten lessons to learn how to use the included modules. Each lesson introduces electronic knowledge and skills related to the module. Also, each lesson provides the complete sample code for you to run the project and start to understand the code behind the hardware part.

Please go to https://sensorkit.arduino.cc to find those high-quality lessons provided by Arduino.
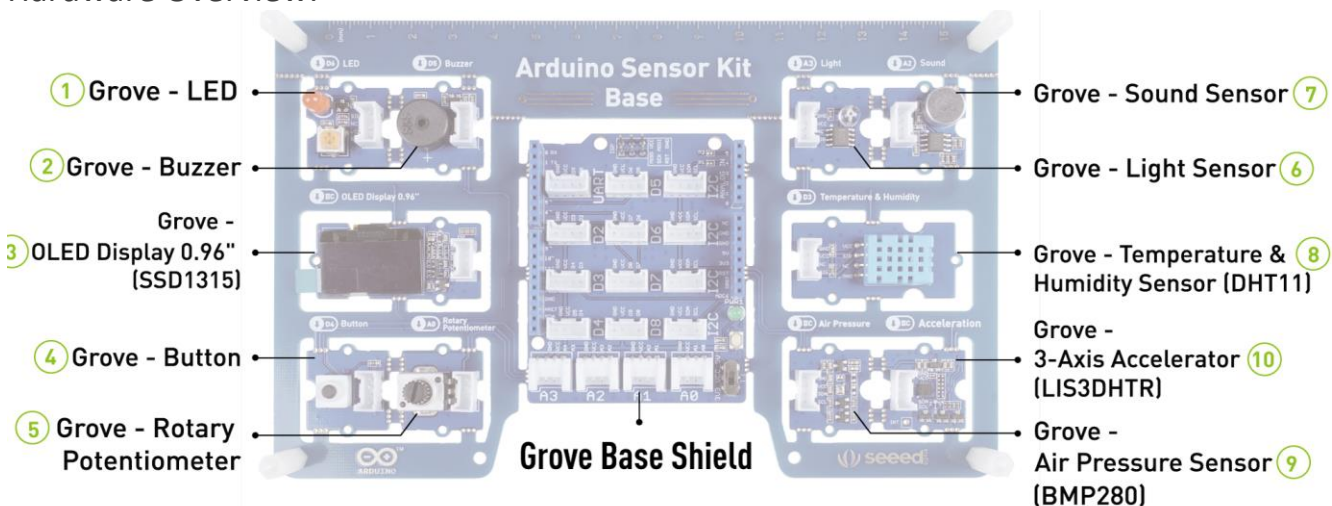

Community Feedbacks:

[Arduino and Seeed Studio Announce Uno-Compatible, Grove-Based Arduino Sensor Kit](#)

"Built into a single circuit board, but with snap-out modules, the Arduino Sensor Kit includes a range of common inputs and outputs." [by Gareth Halfacree, hackster.io](#)

[Arduino Sensor Kit Base is a large shield for Arduino UNO with 10 modules](#)

"The Arduino headers are exposed as well as the 6-pin ICSP header in order to connect it to the Arduino UNO board. If the ten sensors included in the kit are not enough, you can always add other Grove modules, or an Arduino shield to further expand the platform." by [CNX SOFTWARE](#).

Hardware Overview:

Specifications:

Item	Value
Power Supply	3.3V/5V
Dimensions	175mm * 115mm * 28mm
Net Weight	77g
Digital Grove Header	7(D2,D3,D4,D5,D6,D7,D8)
Analog Grove Header	4(A0,A1,A2,A3)
I2C Grove Header	4
UART Grove Header	1
Support Arduino Core	Arduino UNO, Arduino Leonardo, Arduino Zero
Certification	FCC/CE

ECCN/HTS

HSCODE	9023009000
USHSCODE	9023000000
UPC	

FCC	1
CE	1