

**Make: Getting Started with Sensors**

Measure the World with Electronics, Arduino, and Raspberry Pi

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Summary:

To build electronic projects that can sense the physical world, you need to build circuits based around sensors: electronic components that react to physical phenomena by sending an electrical signal. Even with only basic electronic components, you can build useful and educational sensor projects.

But if you incorporate Arduino or Raspberry Pi into your project, you can build much more sophisticated projects that can react in interesting ways and even connect to the Internet. This book starts by teaching you the basic electronic circuits to read and react to a sensor. It then goes on to show how to use Arduino to develop sensor systems, and wraps up by teaching you how to build sensor projects with the Linux-powered Raspberry Pi.

Make: Getting Started with Sensors. Contribute to freebz/Getting-Started-with-Sensors development by creating an account on GitHub. Use Git or checkout with SVN using the web URL. Work fast with our official CLI. Learn more. Open with GitHub Desktop. Make Getting Started with Sensors Measured Arduino. Arduino. Download. Arduino Android Bluetooth. Internet of Things with the Arduino Yun. Make Getting Started with Sensors Measured Arduino. Programming Arduino with LabVIEW. Start A Project. 1653-1017-ND getting started with sensors. Add all Digi-Key Parts to Cart. The parts that are needed for the projects are listed below. Book Chapter. Project Name. Part Description. Quantity Required for Project. Infrared Sensor Switch. 1. not available at Digi-Key. 0. All the Projects. Jumper Wires. 1. Make: Getting Started with Sensors: Measure the World with Electronics, Arduino, and Raspberry Pi. To build electronic projects that can sense the physical world, you need to build circuits based around sensors: electronic components that react to physical phenomena by sending an electrical signal. Even with only basic electronic components, you can build useful and educational sensor projects. Incorporating an Arduino or Raspberry Pi into your project allows you to build sophisticated projects that can react in interesting ways with their surroundings and even connect to the Internet. This book Getting Started with Sensors. Sensors surround us. The world is full of them: infrared sensors in motion detectors, carbon monoxide detectors in homes even tiny accelerometers, GPS modules, and cameras inside your smartphone. Thanks to the proliferation of mobile devices, sensors are now remarkably affordable, meaning you can combine inexpensive sensors and microcontroller boards to make your own devices. Make Sensors/ DIY Projects. Make: Getting Started with Sensors. In Getting Started with Sensors, you will write programs and build devices that respond to: » Distance with ultrasound » Proximity with infrared » Light and dark with a photoresistor » Temperature with a thermometer » Relative humidity with a humidity sensor.